

CEILINGS CATALOG



About Eurocoustic

With its international reputation as experts in acoustic correction, fire protection, and thermal and acoustic insulation, Eurocoustic designs and develops ceilings and wall panels in stone wool. Experts in surveying buildings and analyzing occupants' needs, Eurocoustic designs modular solutions to resolve specific space constraints in both the tertiary and industrial sectors.

By raising awareness of the performance of its products, Eurocoustic helps improve user well-being in all rooms in which its technology is present.

Eurocoustic is part of the Saint-Gobain group, the world leader in the building materials sector, whose mission is to offer solutions for comfortable buildings that are low energy and more pleasant to live in from day to day. Through its subsidiaries the Saint-Gobain Group is active in 67 countries with a workforce of over 170,000 staff.

**The company employs
200 staff on two sites
in France:**

- **production and the head office at Genouillac in the Creuse department**
- **senior management, sales and marketing at La Défense in Paris**

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New: Eurocoustic's decorative offer

Ceilings are so much more than just part of the finishing works. They are a **veritable fifth wall** that can completely transform a room. In addition to improving comfort for occupants, ceilings can influence the room's general mood or even **change users' perception of the room's size**. They can be used to give offices or restaurants a unique identity, **mark out specific areas** in shopping malls and leisure centers, generate a **soothing atmosphere** in hospitals or create a conducive environment for learning in schools.

Draw your inspiration from the three creative families in the Eurocoustic range of decorative ceiling solutions:

EUROCOLORS, a selection of 40 colors, ranging from the most classic tones to the trendiest shades, offering an infinite number of creative combinations and a stylish alternative to conventional white ceilings. You also have the option of choosing your own tone with the Custom Colors service: a real solution for creating unique spaces that truly embrace the building's personality.

EURODESIGN, an array of contemporary, graphical and thought-provoking patterns with their own distinctive character that inspire a sense of escape and draw the occupants' gaze upwards.

MyCONCEPT, the solution for fully personalized ceilings, with the option of printing your own visual to produce a one-of-a-kind design.

**With Eurocoustic, your imagination has no bounds:
choose from an extensive range of high-performance
and sure-fire solutions to create the ceilings you want!**

**See your ceilings
in real color!**



Bring a touch
of style to your
ceilings!



Print your own visuals!



Digital at your service

Go to our web site at **www.eurocoustic.com**
to follow our news, see all our offers (know-how, solutions,
services, examples of completed projects) and download
our documentation in PDF format.

EUROCOUSTIC DECORATIVE SOLUTIONS

**IMAGINE
YOUR CEILINGS!**

**The Eurocoustic
approach to
sustainable
construction**

Reference fact sheet

Culture & Leisure

Albias community
center
Albias - France

EuroColors

Trouvez la solution parfaite



Eurocoustic partners you in pictures!
Product presentations, installation guides...
Discover all our videos on our “Eurocoustic et Plafometal” YouTube channel.



Discover the **Plafond Designer** application and visualize your future ceiling in real time.

Plan and design your ceiling by choosing from a selection of stone wool or metal products. With the **Plafond Designer** application, make the right choice!



Product data sheets

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Minerval® A 12

White decorative glass fiber veil

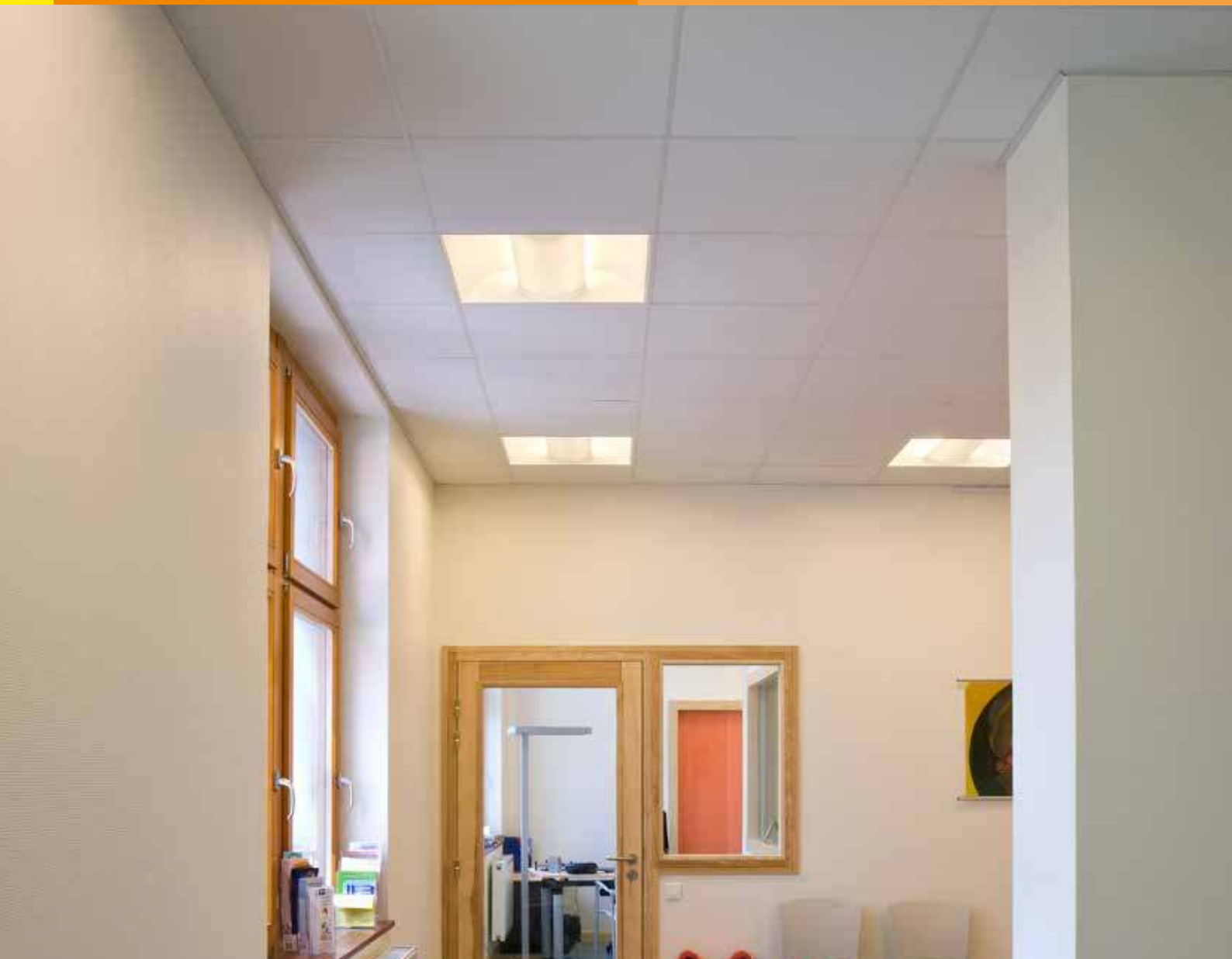
High density
stone wool panel,
12 mm thick

A Edges

Natural glass veil
on reverse side

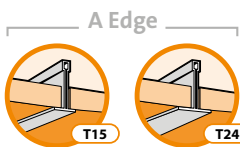
KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.90$
- Reaction to fire: A1
- 100% flat irrespective of the moisture content
- Reverse side veil



White



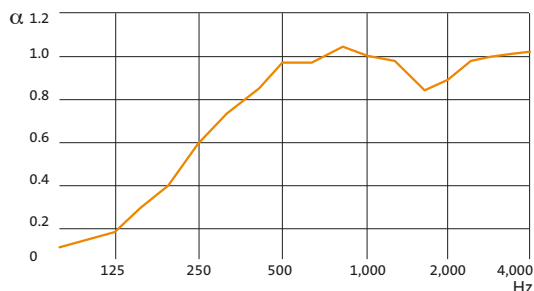


Minerval® A 12

- > Rigid stone wool self-supporting panel.
- > Decorative white glass fiber veil.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T15 - T24 grids.



Acoustic absorption



• $\alpha_w = 0.90$: class A / NRC = 0.85



Light reflection

- The light reflection coefficient of the veil is superior to 86%.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Minerval® A 12 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European CErtification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-01.



Indoor Air Quality

- Minerval® A 12 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Minerval® A 12 ceilings are fitted on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The surface of Minerval® A 12 ceilings does not retain dust, which makes them easier to clean.
- Minerval® A 12 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Minerval® A 12 ceilings.

AT A GLANCE

Color	White
Edges	A
Grids	T15 - T24

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	12	12
Panels/pack	40	20
m²/pack	14,40	14,40
Packs/pallet	18	18
Service class	A	A

Minerval® A 12 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Minerval® A 15

White decorative glass fiber veil

High density
stone wool panel,
15 mm thick

A Edges

Natural glass veil
on reverse side

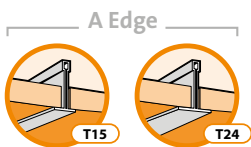
KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.95$
- Reaction to fire: A1
- 100% flat irrespective of the moisture content
- Reverse side veil



White



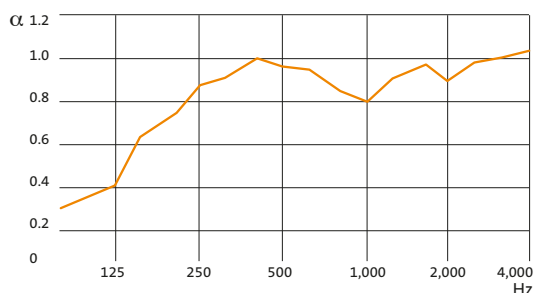


Minerval® A 15

- > Rigid stone wool self-supporting panel.
- > Decorative white glass fiber veil.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T15 - T24 grids.



Acoustic absorption



• $\alpha_w = 0.95$: class A / NRC = 0.90



Light reflection

- The light reflection coefficient of the veil is superior to 86%.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Minerval® A 15 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European CErtification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-01.



Indoor Air Quality

- Minerval® A 15 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Minerval® A 15 ceilings are fitted on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The surface of Minerval® A 15 ceilings does not retain dust, which makes them easier to clean.
- Minerval® A 15 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Minerval® A 15 ceilings.

AT A GLANCE

Color	White
Edges	A
Grids	T15 - T24

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	15	15
Panels/pack	32	16
m²/pack	11,52	11,52
Packs/pallet	18	18
Service class	A	A

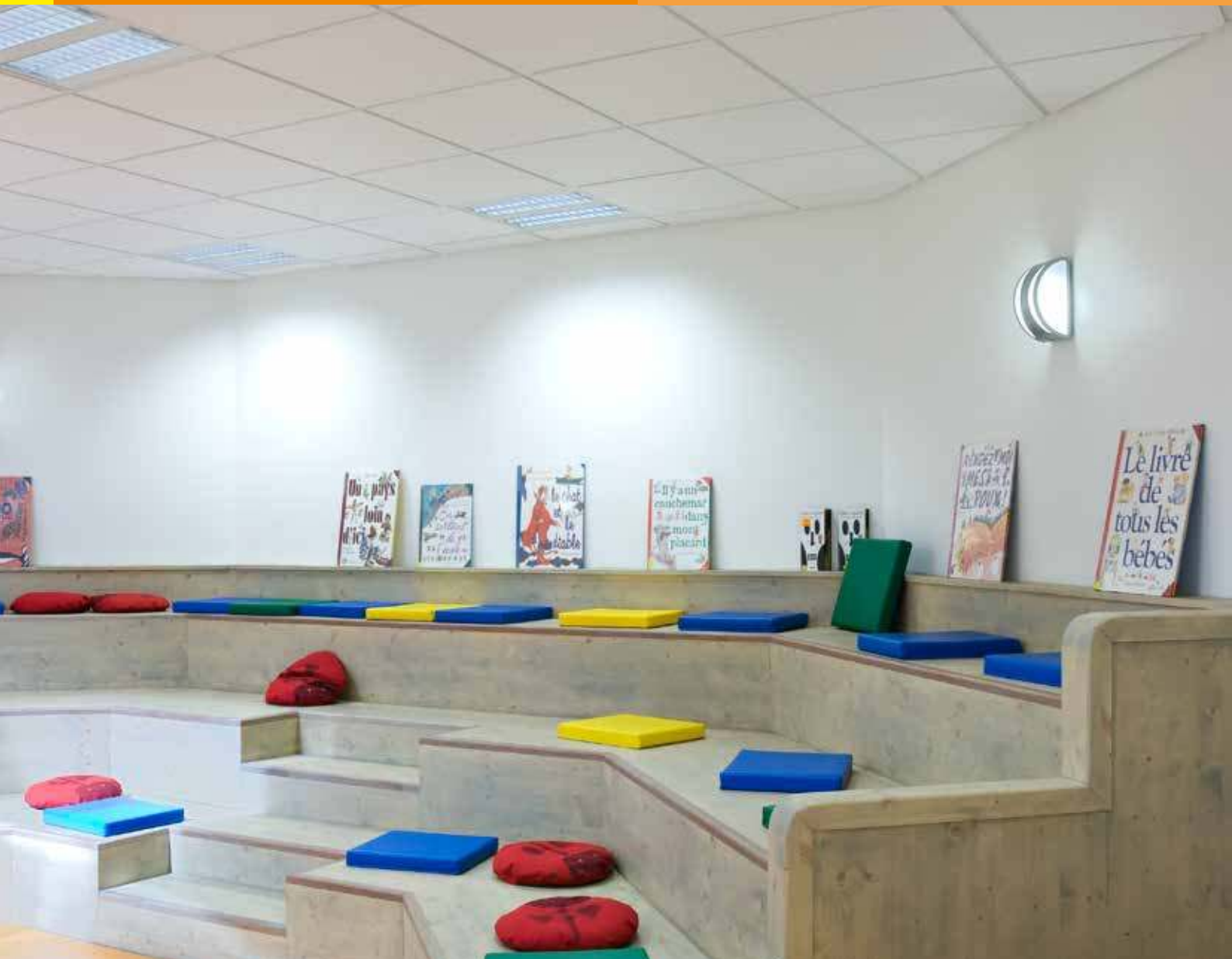
Minerval® A 15 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Minerval® E 15



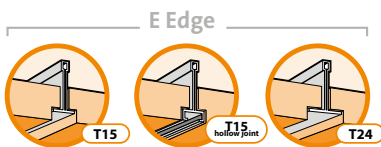
KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.95$
- Reaction to fire: A1
- 100% flat irrespective of the moisture content
- Reverse side veil



White



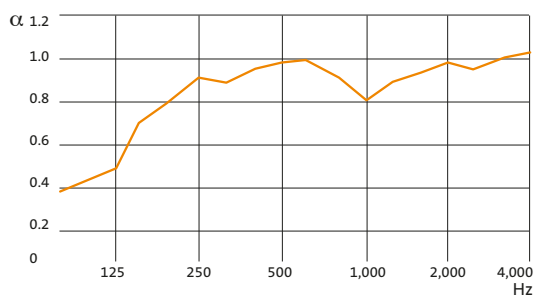


Minerval® E 15

- > Rigid stone wool self-supporting panel.
- > Decorative white glass fiber veil.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T15 - T15 hollow joint - T24 grids.



Acoustic absorption



• $\alpha_w = 0.95$: class A / NRC = 0.90



Light reflection

- The light reflection coefficient of the veil is superior to 86%.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Minerval® E 15 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-05.



Indoor Air Quality

- Minerval® E 15 products are classed A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Minerval® E 15 ceilings are fitted on T15 - T15 hollow joint - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The surface of Minerval® E 15 ceilings does not retain dust, which makes them easier to clean.
- Minerval® E 15 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Minerval® E 15 ceilings.

AT A GLANCE

Color	White	
Edges	E	
Grids	T15 - T15 hollow joint	T24

Module size (mm) and packaging

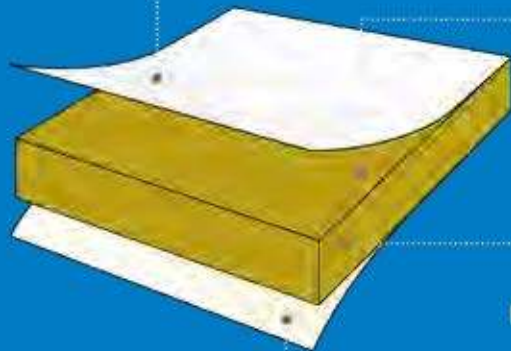
Width	600	600
Length	600	1200
Thickness	15	15
Panels/pack	24	12
m²/pack	8,64	8,64
Packs/pallet	22	22
Service class	A	C

Minerval® E 15 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Tonga® A 22

Decorative glass fiber veil in white,
EuroColors or EuroDesign

High density
stone wool panel,
22 mm thick



A Edges

Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Reaction to fire: A1 (white) and A2-s1, d0 (colors)
- Light reflection: > 87% for white
- 100% flat irrespective of the moisture content
- Reduction in artificial lighting needs
- Natural light intake > 6% for white
- Over 600 format and veil combinations
- 15-year warranty
- IAQ: Class A+



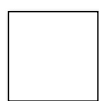
40 EuroColors



Custom colors service

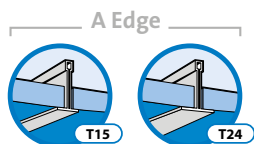


6 EuroDesign



White 09



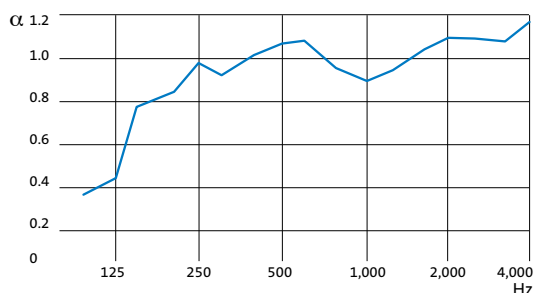


Tonga® A 22

- > Rigid stone wool self-supporting panel.
- > Decorative veil on the visible side.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T15 - T24 grids.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 1



Light

- **Light reflection:** The light reflection coefficient is superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 0,74 % avec un angle de 85° - according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** 11% reduction in artificial lighting needs.



Fire reaction

According to EN 13501-1:

- For white: Euroclass A1.
- For colors and patterns: Euroclass A2-s1, d0.



Fire resistance

- **Tonga® A 22 ceilings (600 x 600 mm) installed on a T24 QUICK-LOCK® grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.**

Classification	Modules (in mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurothane® 603

- **Tonga® A 22 ceilings (up to 2,400 x 600 mm) installed on a T24 QUICK-LOCK® grid (see test reports) are SF30 according to Belgian standard NBN 713-020.**



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® A 22 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-01 (white) - 0007-02 (colors).



Indoor Air Quality

- Tonga® A 22 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® A 22 ceilings are fitted on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The surface of Tonga® A 22 ceilings does not retain dust, which makes them easier to clean.
- Tonga® A 22 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Tonga® A 22 ceilings.

AT A GLANCE

Color	White 09	EuroColors	EuroDesign
Edges	A		
Grids	T15 - T24		

Module size (mm) and packaging

Width	600	600	600	600	600	600	600	1200
Length	600	1200	1500	1720	1800	2000	2400	1200
Thickness	22	22	22	22	22	22	22	22
Panels/pack	24	12	10	10	10	10	6	6
m²/pack	8,64	8,64	9,00	10,22	10,80	12,00	8,64	8,64
Packs/pallet	18	18	20	20	20	20	18	17
Service class	A	A	B	C	B	B	B	B

EuroColors : available in 600 x 600/1200/1500/1800/2000/2400 and 1200 x 1200.

EuroDesign : available in 600 x 600 and 600 x 1200.

Tonga® A 22 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover .

Tonga® A 40

Decorative glass fiber veil in white,
EuroColors or EuroDesign

High density
stone wool panel,
40 mm thick

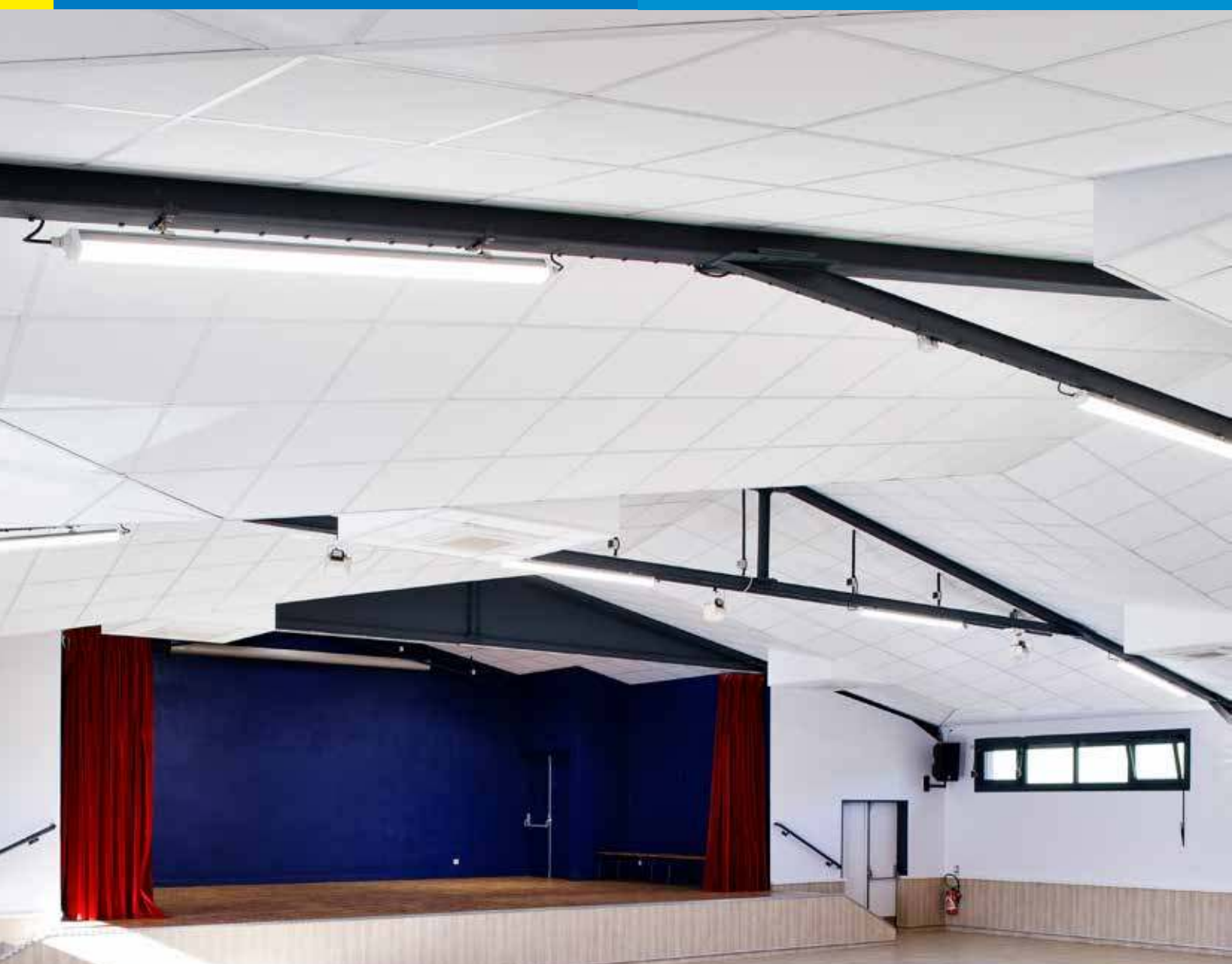


A Edges

Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Reaction to fire: A1 (white) and A2-s1, d0 (colors)
- Light reflection: > 87% (white)
- 100% flat irrespective of the moisture content
- Thermal resistance: 1.10 m². K/W
- Reduction in artificial lighting needs
- Natural light intake > 6% (white)
- Over 600 format and veil combinations
- 15-year warranty



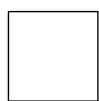
40 EuroColors



Custom colors service

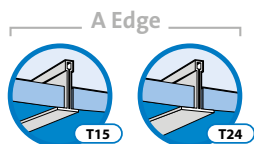


6 EuroDesign



White O9



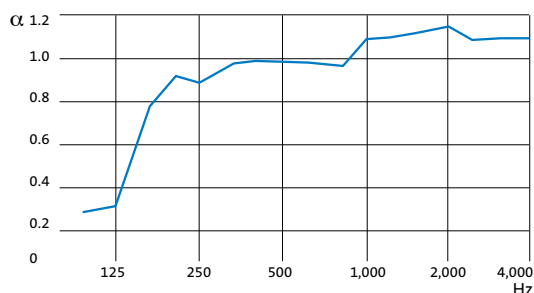


Tonga® A 40

- > Rigid stone wool self-supporting panel.
- > Decorative veil on the visible side.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T15 - T24 grids.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 1



Light

- **Light reflection:** The light reflection coefficient is superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is - according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** 11% reduction in artificial lighting needs.



Fire reaction

According to EN 13501-1:

- For white: Euroclass A1.
- For colors and patterns: Euroclass A2-s1, d0.



Fire resistance

- **France** Tonga® A 40 ceilings (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Classification	Modules (in mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolène® 603 + From 0 to 200 mm of IBR

- **Belgium** Tonga® A 40 ceilings (600 x 600 and 1,200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test reports) are SF30 according to Belgian standard NBN 713-020.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- According to the EN 13162, Tonga® A 40 ceilings offer thermal resistance of 1.10 m². K / W.



Resistance to bending

- According to EN 13964 - Annex F, Tonga® A 40 ceilings are classified as C/130N/m² for dimensions 600 x 600 / 1,200 x 600 / 1,200 x 1,200 mm.
- This value should be kept in mind if any mineral wool is to be laid in the plenum.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® A 40 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green

Building certifications, EPD (Environmental Product Declarations) are available. Contact us.

- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-01 (white) - 0007-02 (colors).



Indoor Air Quality

- Tonga® A 40 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® A 40 ceilings are fitted on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.



Cleaning

- The surface of Tonga® A 40 ceilings does not retain dust, which makes them easier to clean.
- Tonga® A 40 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Tonga® A 40 ceilings.

AT A GLANCE

Color	White 09	EuroColors	EuroDesign
Edges	A		
Grids	T15 - T24		

Module size (mm) and packaging

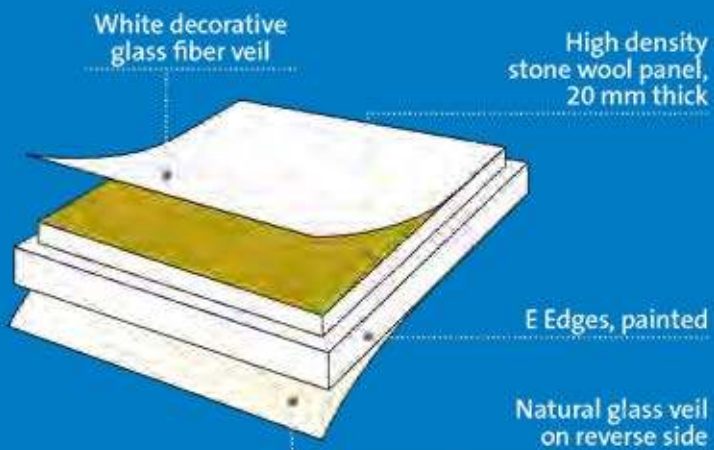
Width	600	600	600	600	600	600	1200
Length	600	1200	1500	1800	2000	2400	1200
Thickness	40	40	40	40	40	40	40
Panels/pack	20	10	8	8	8	6	6
m²/pack	7,20	7,20	7,20	8,64	9,60	8,64	8,64
Packs/pallet	12	12	14	14	14	10	10
Service class	A	A	B	B	B	B	B

EuroColors : available in 600 x 600/1200/1500/1800/2000/2400.

EuroDesign : available in 600 x 600 and 600 x 1200.

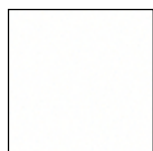
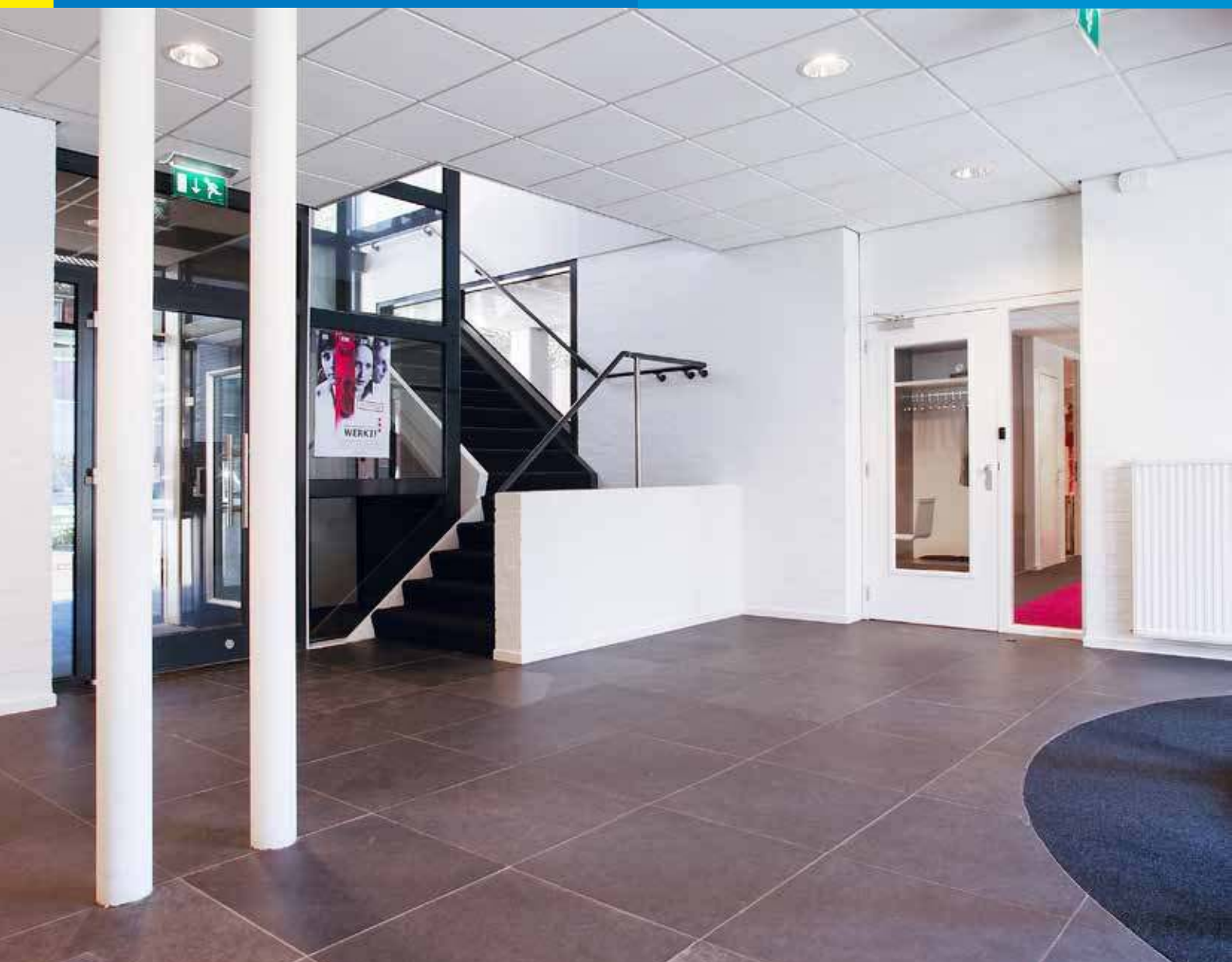
Tonga® A 40 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover .

Tonga® E 20



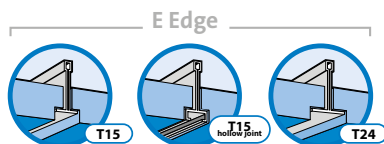
KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.95$
- Reaction to fire: A1
- Light reflection: > 87%
- 100% flat irrespective of the moisture content
- Reduction in artificial lighting needs
- Natural light intake > 6%
- High density panel
- 15-year warranty



White 09



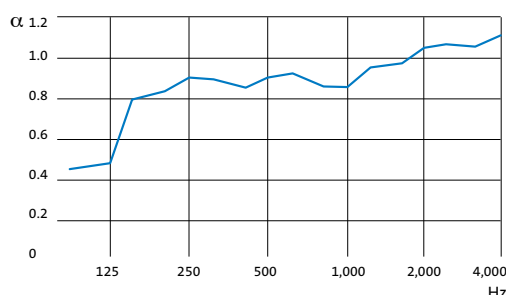


Tonga® E 20

- > Rigid stone wool self-supporting panel.
- > Decorative veil on the visible side.
- > Rebated edges.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T15 - T15 hollow joint - T24 grids.



Acoustic absorption



- $\alpha_w = 0.95$: class A / NRC = 0.90



Light

- **Light reflection:** The light reflection coefficient is superior to 87%.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is - according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** 11% reduction in artificial lighting needs.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Fire resistance

- **France:** Tonga® E 20 ceilings (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Classification	Modules (in mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolène® 603 + 0 to 200 mm of IBR

- **Belgium:** Tonga® E 20 ceilings (600 x 600 and 1,200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test reports) are according to Belgian standard NBN 713-020.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® E 20 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (EUropean CERTification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-05.



Indoor Air Quality

- Tonga® E 20 products are classed A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® E 20 ceilings are fitted on T15 - T15 hollow joint - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The surface of Tonga® E 20 ceilings does not retain dust, which makes them easier to clean.
- Tonga® E 20 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Tonga® E 20 ceilings.

AT A GLANCE

Color	White 09	
Edges	E	
Grids	T15 - T15 hollow joint	T24

Module size (mm) and packaging

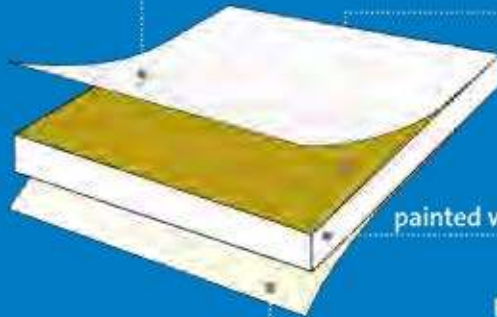
Width	600	600
Length	600	1200
Thickness	20	20
Panels/pack	20	10
m²/pack	7,20	7,20
Packs/pallet	20	20
Service class	A	A

Tonga® E 20 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Tonga® Ultra Clean A 22

White painted glass
fiber veil, Boreal finish

High density
stone wool panel,
22 mm thick



A Edges,
painted with Boreal finish

Natural glass veil
on reverse side

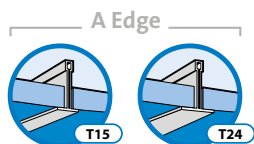
KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Reaction to fire: A1
- Cleaning: five cleaning methods
- Light reflection: > 89%
- 100% flat irrespective of the moisture content
- Painted edges and faces, Boreal finish
- High density panel
- Smooth, satin and bright finish
- Control of airborne particles: ISO 4
- Resistance to mold: Degree 0



White





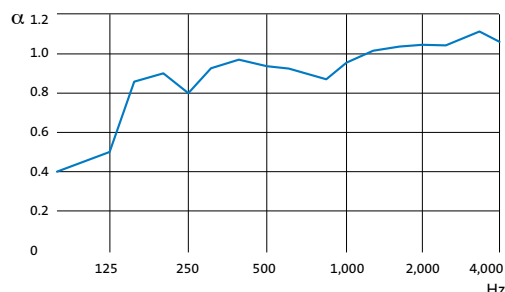
TONGA® ULTRA CLEAN RANGE

Tonga® Ultra Clean A 22

- > Rigid stone wool self-supporting panel.
- > Boreal finish.
- > Reinforced by a natural glass fiber veil on the reverse side.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 0.95



Light

- **Light reflection:** The light reflection coefficient is superior to 89%.
- **White:** L = 95.6% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 2,54 % avec un angle de 85° - according to ISO 2813.
- **Light diffusion:** > 99 % of the light is diffused.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Fire resistance

- **Tonga® Ultra Clean A 22 ceilings** (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Classification	Modules (in mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurothane® 603

- **Tonga® Ultra Clean A 22 ceilings** (600 x 600 and 1,200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test reports) are SF 30 according to Belgian standard NBN 713-020.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® Ultra Clean A 22 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European Certification Board for mineral wool product).

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor Air Quality

- Tonga® Ultra Clean A 22 products are classed A.



Control of Airborne particles

- Tonga® Ultra Clean A 22 ceilings are Class ISO 4 according to ISO 14644-1.



Resistance to mould

- Tonga® Ultra Clean A 22 ceilings prevent fungal growth: Degree 0 according to ISO 846.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® Ultra Clean A 22 ceilings are fitted on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The painted surface of Tonga® Ultra Clean A 22 ceilings does not retain dust, which makes them easier to clean.
- Tonga® Ultra Clean A 22 ceilings can be cleaned using light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent), dry or wet steam + dry cloth.
- This type of cleaning will help extend the service life of Tonga® Ultra Clean A 22 ceilings.

AT A GLANCE

Color	White Boreal finish
Edges	A
Grids	T15 - T24

Module size (mm) and packaging

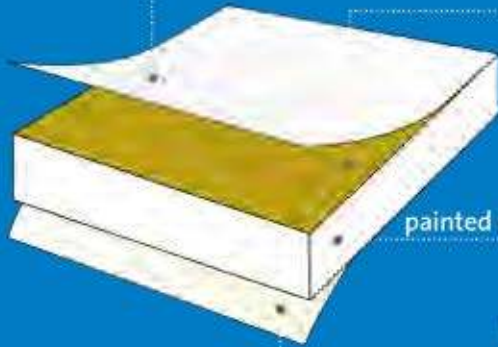
Width	600	600
Length	600	1200
Thickness	22	22
Panels/pack	24	12
m²/pack	8,64	8,64
Packs/pallet	16	16
Service class	A	B

Tonga® Ultra Clean A 22 ceilings are packed in 6-sided boxes. Pallets are wrapped in plastic film and must be stored under cover.

Tonga® Ultra Clean A 40

White painted glass
fiber veil, Boreal finish

High density
stone wool panel,
40 mm thick

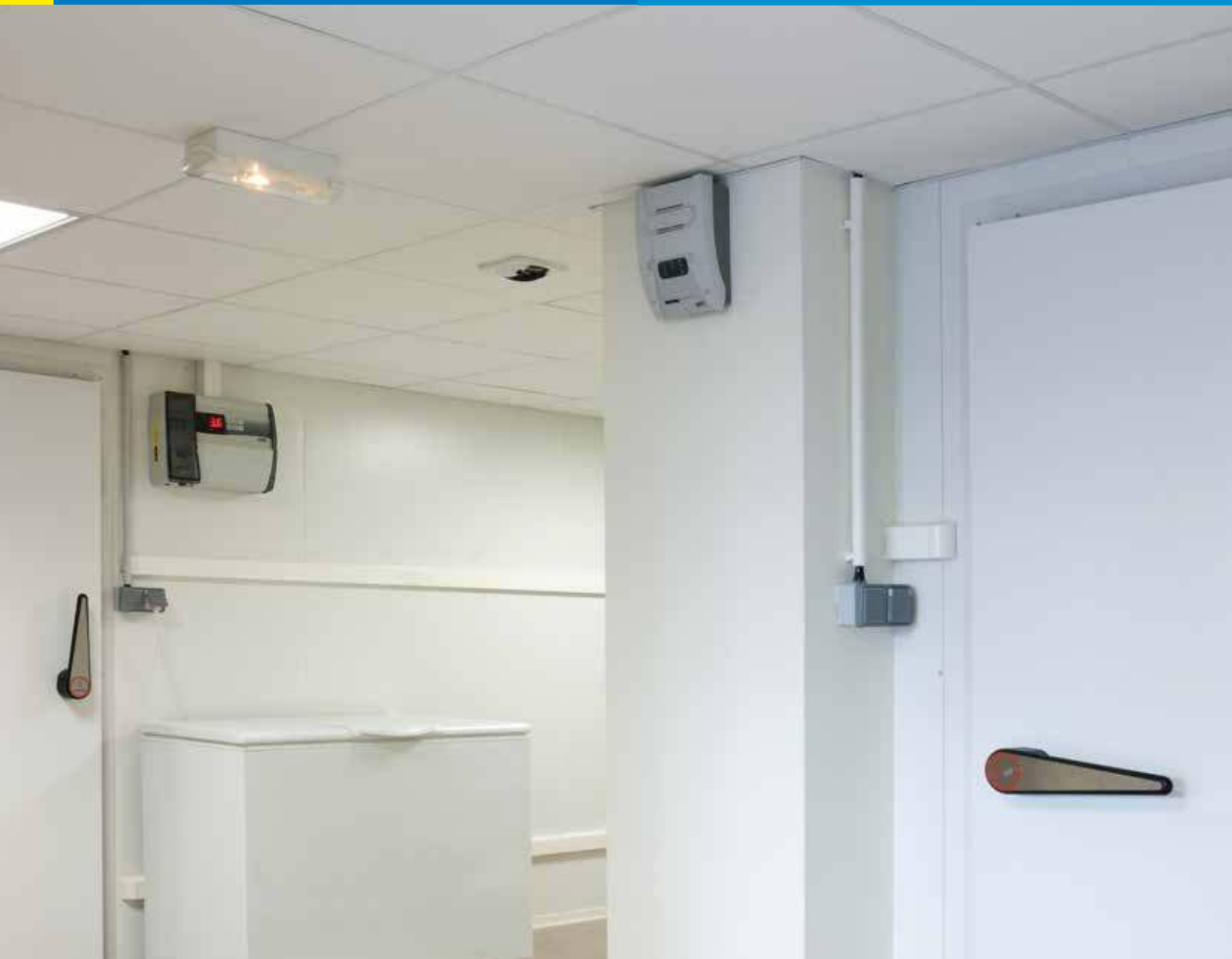


A Edges,
painted with Boreal finish

Natural glass veil
on reverse side

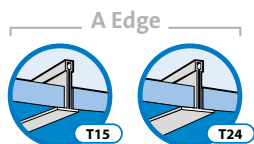
KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Reaction to fire: A1
- Cleaning: five cleaning methods
- Light reflection: > 89%
- 100% flat irrespective of the moisture content
- Painted edges and faces, Boreal finish
- High density panel
- Smooth, satin and bright finish
- Control of airborne particles: ISO 4
- Resistance to mold: Degree 0



White





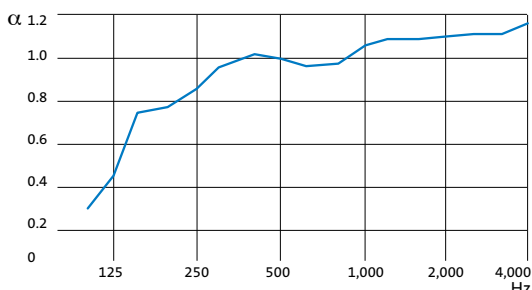
TONGA® ULTRA CLEAN RANGE

Tonga® Ultra Clean A 40

- > Rigid stone wool self-supporting panel.
- > Boreal finish.
- > Reinforced by a natural glass fiber veil on the reverse side.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 1



Light

- **Light reflection:** The light reflection coefficient is superior to 89%.
- **White:** L = 95.6% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 2,54 % avec un angle de 85° et 2,54 % with 85° angle - according to ISO 2813.
- **Light diffusion:** > 99 % of the light is diffused.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Fire resistance

- **Tonga® Ultra Clean A 40 ceilings** (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Classification	Modules (in mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurothane® 603 + 0 to 200 mm of IBR

- **Tonga® Ultra Clean A 40 ceilings** (600 x 600 and 1,200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test reports) are SF 30 according to Belgian standard NBN 713-020.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- According to the EN 13162, Tonga® Ultra Clean A 40 ceilings offer thermal resistance of 1,10 m². K / W.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® Ultra Clean A 40 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European Certification Board for mineral wool product).

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor Air Quality

- Tonga® Ultra Clean A 40 products are classed A.



Control of Airborne particles

- Tonga® Ultra Clean A 40 ceilings are Class ISO 4 according to ISO 14644-1.



Resistance to mould

- Tonga® Ultra Clean A 40 ceilings prevent fungal growth: Degree 0 according to ISO 846.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® Ultra Clean A 40 ceilings are fitted on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The painted surface of Tonga® Ultra Clean A 40 ceilings does not retain dust, which makes them easier to clean.
- Tonga® Ultra Clean A 40 ceilings can be cleaned using light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent), dry or wet steam + dry cloth.
- This type of cleaning will help extend the service life of Tonga® Ultra Clean A 40 ceilings.

AT A GLANCE

Color	White Boreal finish
Edges	A
Grids	T15 - T24

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	40	40
Panels/pack	12	6
m²/pack	4,32	4,32
Packs/pallet	18	18
Service class	A	B

Tonga® Ultra Clean A 40 ceilings are packed in 6-sided boxes. Pallets are wrapped in plastic film and must be stored under cover.

Tonga® Ultra Clean E 20

White painted glass
fiber veil, Boreal finish

High density
stone wool panel,
20 mm thick

E Edges,
painted with Boreal finish

Natural glass veil
on reverse side

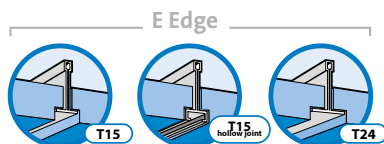
KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.90$
- Reaction to fire: A1
- Cleaning: five cleaning methods
- Light reflection: > 89%
- 100% flat irrespective of the moisture content
- Painted edges and faces, Boreal finish
- High density panel
- Smooth, satin and bright finish
- Control of airborne particles: ISO 4
- Resistance to mold: Degree 0



White





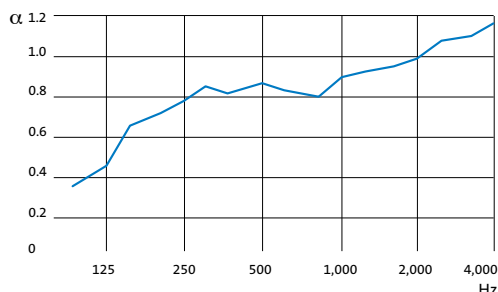
TONGA® ULTRA CLEAN RANGE

Tonga® Ultra Clean E 20

- > Rigid stone wool self-supporting panel.
- > Boreal finish.
- > Reinforced by a natural glass fiber veil on the reverse side.



Acoustic absorption



- $\alpha_w = 0.90$: class A / NRC = 0.85



Light

- **Light reflection:** The light reflection coefficient is superior to 89%.
- **White:** L = 95.6% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 2,54 % avec un angle de 85° - according to ISO 2813.
- **Light diffusion:** > 99 % of the light is diffused.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Fire resistance

- **Tonga® Ultra Clean E 20** ceilings (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Classification	Modules (in mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurothane® 603 + 0 to 200 mm of IBR

- **Tonga® Ultra Clean E 20** ceilings (600 x 600 and 1,200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test reports) are SF 30 according to Belgian standard NBN 713-020.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® Ultra Clean E 20 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European Certification Board for mineral wool product).

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor Air Quality

- Tonga® Ultra Clean E 20 products are classed A.



Control of Airborne particles

- Tonga® Ultra Clean E 20 ceilings are Class ISO 4 according to ISO 14644-1.



Resistance to mould

- Tonga® Ultra Clean E 20 ceilings prevent fungal growth: Degree 0 according to ISO 846.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® Ultra Clean E 20 ceilings are fitted on T15 - T15 hollow joint - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The painted surface of Tonga® Ultra Clean E 20 ceilings does not retain dust, which makes them easier to clean.
- Tonga® Ultra Clean E 20 ceilings can be cleaned using light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent), dry or wet steam + dry cloth.
- This type of cleaning will help extend the service life of Tonga® Ultra Clean E 20 ceilings.

AT A GLANCE

Color	White Boreal finish	
Edges	E	
Grids	T15 - T15 hollow joint	T24

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	20	20
Panels/pack	20	10
m²/pack	7,20	7,20
Packs/pallet	20	20
Service class	A	C

Tonga® Ultra Clean E 20 ceilings are packed in 6-sided boxes. Pallets are wrapped in plastic film and must be stored under cover.

Tonga® Ultra Clean HP A 22

White painted glass fiber veil

High density
stone wool panel,
22 mm thick

A Edges, painted

Natural glass veil
on reverse side

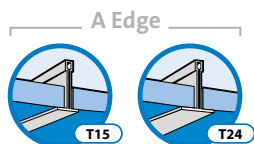
KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Control of airborne particles: ISO 4
- Resistance to mold Degree 0
- Closed edges
- High density panel
- Ideal for areas requiring high-pressure cleaning, intensive maintenance and the use of detergents



White





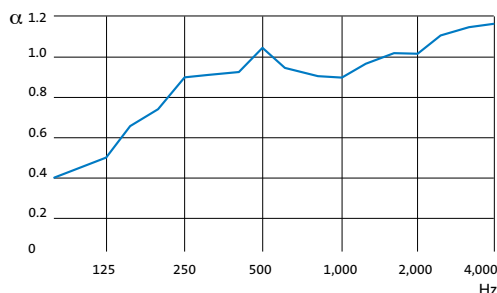
TONGA® ULTRA CLEAN RANGE

Tonga® Ultra Clean HP A 22

- > Rigid stone wool self-supporting panel surfaced with a white veil on the visible side.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Closed edges.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 1



Light

- **Light reflection:** The light reflection coefficient is superior to 84%.
- **White:** L = 93,72% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 0.25% - according to ISO 2813.
- **Light diffusion:** 99,80% of the light is diffused.



Fire reaction

- According to EN 13501-1: Euroclass A2-s1, d0.



Fire resistance

- **Tonga® Ultra Clean HP A 22 ceilings** (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Classification	Modules (in mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolène® 603

- **Tonga® Ultra Clean HP A 22 ceilings** (600 x 600 and 1,200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test reports) are SF 30 according to Belgian standard NBN 713-020.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® Ultra Clean HP A 22 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-15.



Indoor Air Quality

- Tonga® Ultra Clean HP A 22 products are classed A+.



Control of Airborne particles

- Tonga® Ultra Clean HP A 22 ceilings are Class ISO 4 according to ISO 14644-1.



Resistance to mould

- Tonga® Ultra Clean HP A 22 ceilings prevent fungal growth: Degree 0 according to Method A in ISO 846.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® Ultra Clean HP A 22 ceilings are fitted on T15 - T24 grids.
- Panels must be mounted on a grid system with a silicone seal and held in place with Euroclip HP anti-lift clips.
- Tiles can easily be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The painted surface of Tonga® Ultra Clean HP A 22 ceilings does not retain dust, which makes them easier to clean.
- Tonga® Ultra Clean HP A 22 ceilings can be cleaned using a pressure washer (120 cycles up to 100 bar). Panels must then be held onto the grid with clips: Euroclip HP.
- Other cleaning methods available: light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent), wet steam + dry cloth and dry steam + dry cloth.
- This type of cleaning will help extend the ceiling's service life.

AT A GLANCE

Color	White
Edges	A
Grids	T15 - T24

Module size (mm) and packaging

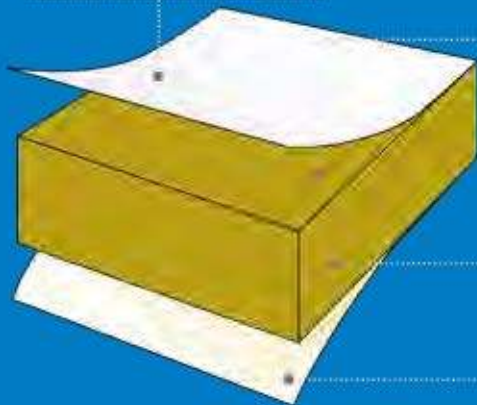
Width	600	600
Length	600	1200
Thickness	22	22
Panels/pack	24	12
m²/pack	8,64	8,64
Packs/pallet	16	16
Service class	A	C

Tonga® Ultra Clean HP A 22 ceilings are packed in 6-sided boxes. Pallets are wrapped in plastic film and must be stored under cover.

Tonga® Therm A 80

Decorative glass fiber veil
in white or EuroColors

High density
stone wool panel,
77 mm thick

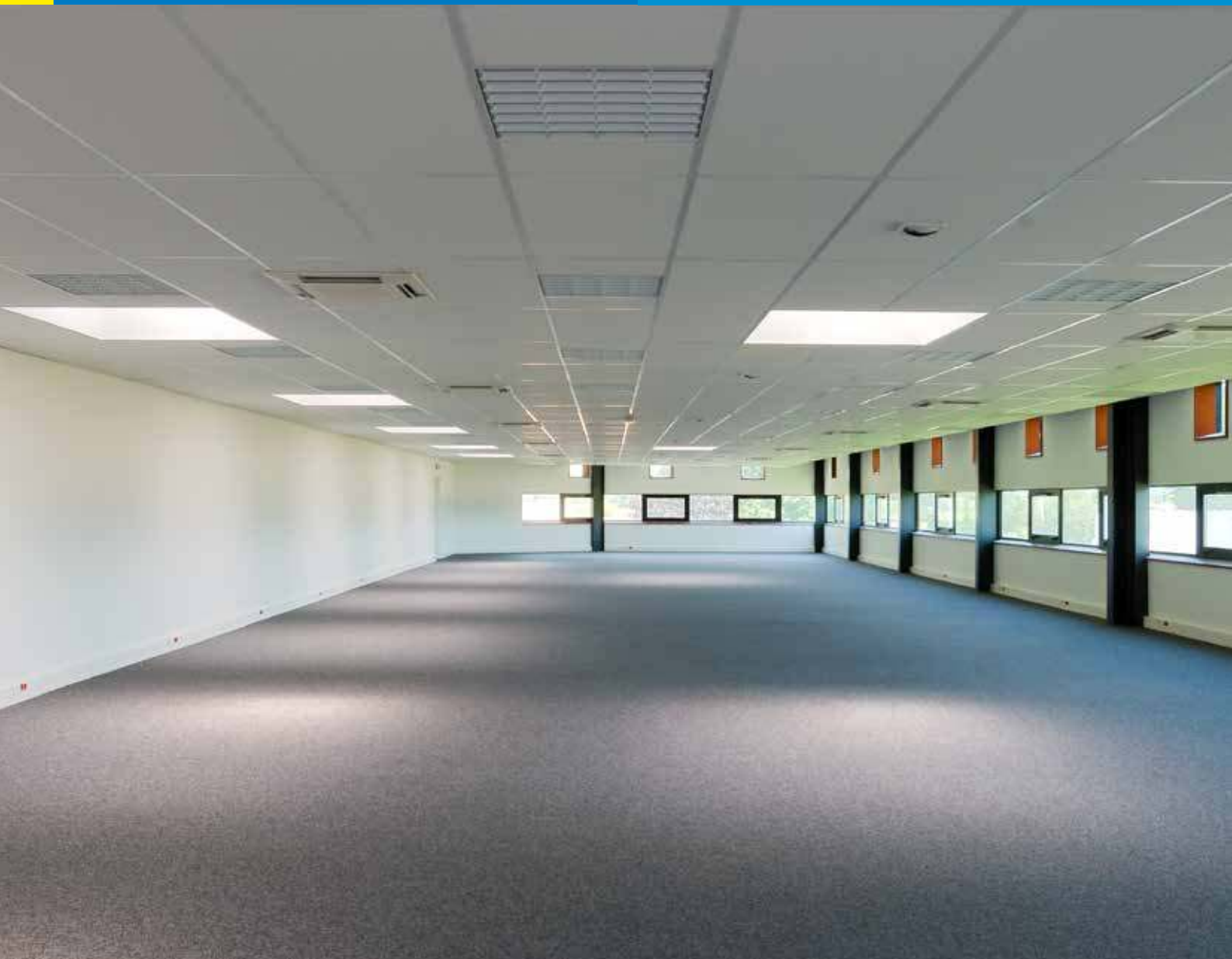


A Edges

Natural glass veil
on reverse side

KEY FEATURES

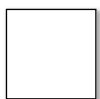
- Thermal-acoustic solution
- Acoustic absorption: $\alpha_w = 1$
- Thermal resistance: $2.20 \text{ m}^2 \cdot \text{K/W}$
- 100% flat irrespective of the moisture content
- IAQ: Class A+
- Compatible with French thermal building regulations (RT 2012)
- ACERMI Certification



40 EuroColors

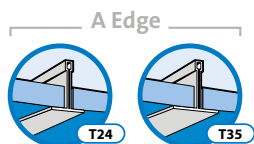


Custom colors service



White 09



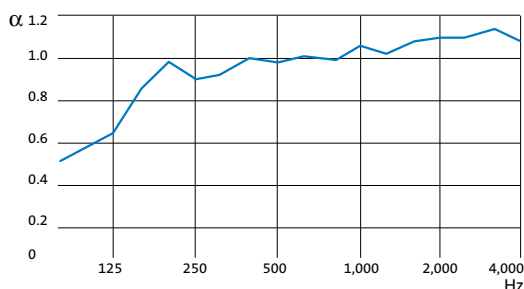


Tonga® Therm A 80

- > 77 mm rigid stone wool panel.
- > Decorative veil on the visible side.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T24 - T35 grids.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 1



Light

- **Light reflection:** The light reflection coefficient is superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is - according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** 11% reduction in artificial lighting needs.



Fire reaction

According to EN 13501-1:

- For white: Euroclass A1.
- For colors: Euroclass A2-s1, d0.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- Tonga® Therm A 80 ceilings offer thermal resistance measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
77 mm	2.20 m²·K/W

- Compatible with French thermal building regulations (RT 2012).



Resistance to bending

- According to EN 13964 - Annex F, Tonga® Therm A 80 ceilings are classified as C/195N/m².
- This value should be kept in mind if any mineral wool is to be laid in the plenum.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® Therm A 80 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-12 (white) - 0007-13 (colors).



Indoor Air Quality

- Tonga® Therm A 80 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® Therm A 80 ceilings are fitted on T24 - T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.



Cleaning

- The surface of Tonga® Therm A 80 ceilings does not retain dust, which makes them easier to clean.
- Tonga® Therm A 80 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Tonga® Therm A 80 ceilings.

AT A GLANCE

Color	White 09	EuroColors
Edges	A	
Grids	T24 - T35	

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	77	77
Panels/pack	12	6
m²/pack	4,32	4,32
Packs/pallet	10	10
Service class	A	A

Tonga® Therm A 80 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Area[®] A 15

White painted glass fiber veil,
Boreal finish

High density
stone wool panel,
15 mm thick

A Edges,
painted with
Boreal finish

Natural glass veil
on reverse side

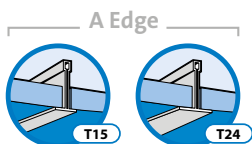
KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.90$
- Reaction to fire: A1
- Light reflection: > 89%
- 100% flat irrespective of the moisture content
- High density panel
- Smooth, satin and bright finish
- Painted edges and face
- Washable with a wet sponge



White



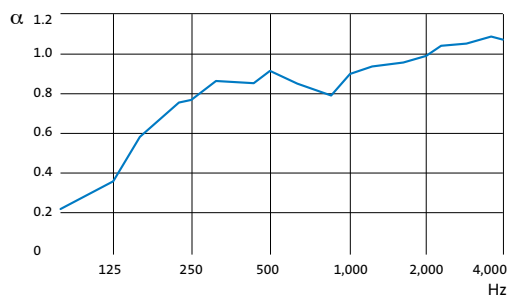


Area® A 15

- > Rigid stone wool self-supporting panel.
- > Painted edges, Boreal finish.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T15 - T24 grids.



Acoustic absorption



- $\alpha_w = 0.90$: class A / NRC = 0.90



Light

- **Light reflection:** The light reflection coefficient is superior to 89%.
- **White:** L = 95.6% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 2,54 % avec un angle de 85° - according to ISO 2813.
- **Light diffusion:** > 99 % of the light is diffused.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Area® A 15 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor Air Quality

- Area® A 15 products are classed A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Area® A 15 ceilings are fitted on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The painted surface of Area® A 15 ceilings does not retain dust, which makes them easier to clean.
- Area® A 15 ceilings can be cleaned using light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent), dry or wet steam + dry cloth.
- This type of cleaning will help extend the service life of Area® A 15 ceilings.

AT A GLANCE

Color	White Boreal finish
Edges	A
Grids	T15 - T24

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	15	15
Panels/pack	24	12
m²/pack	8,64	8,64
Packs/pallet	22	22
Service class	A	B

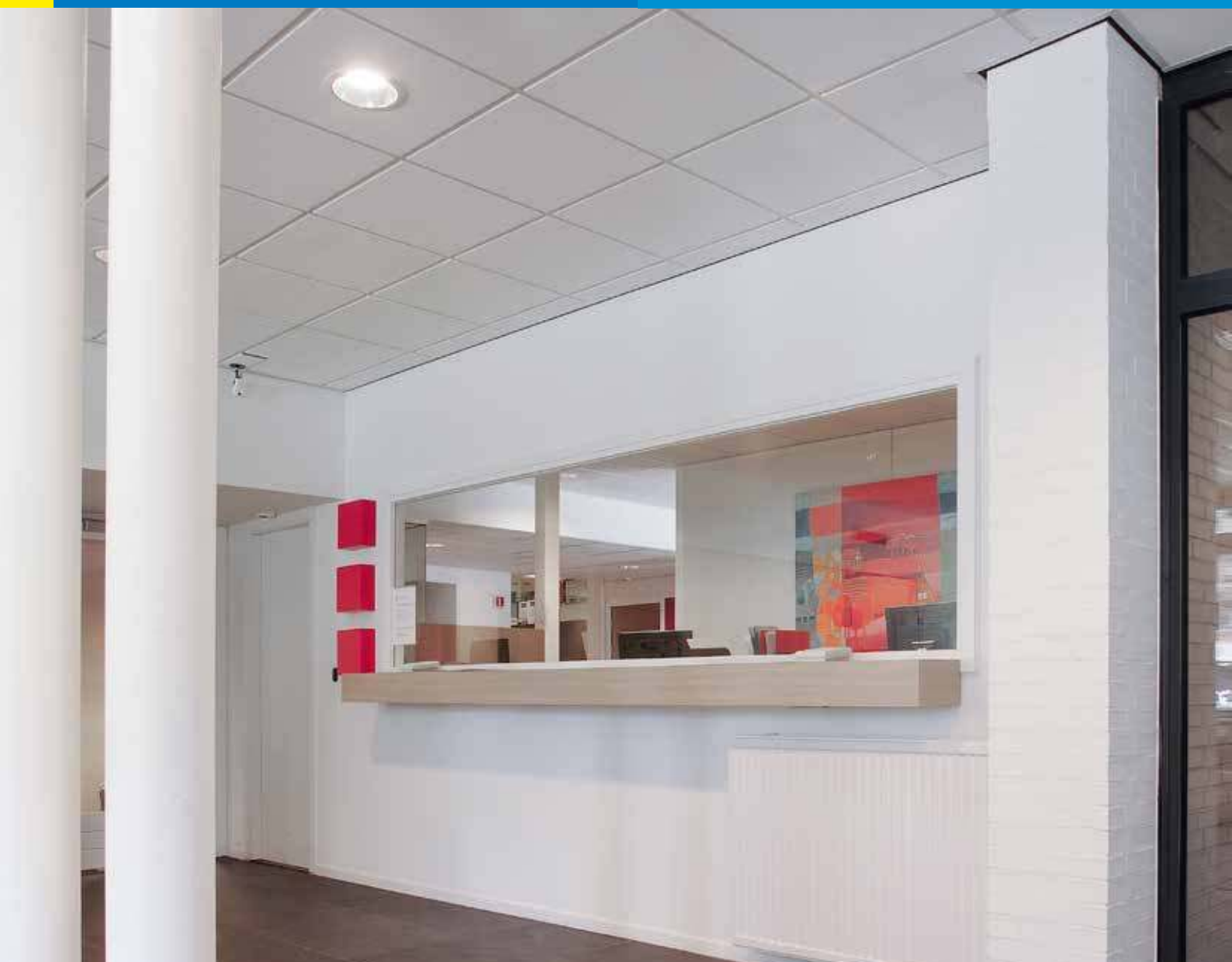
Area® A 15 ceilings are packed in 6-sided boxes. Pallets are wrapped in plastic film and must be stored under cover.

Ermes® E 15



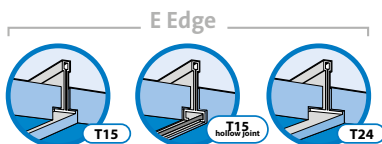
KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.90$
- Reaction to fire: A1
- Light reflection: > 89%
- 100% flat irrespective of the moisture content
- High density panel
- Smooth, satin and bright finish
- Painted edges and face
- Washable with a wet sponge



White



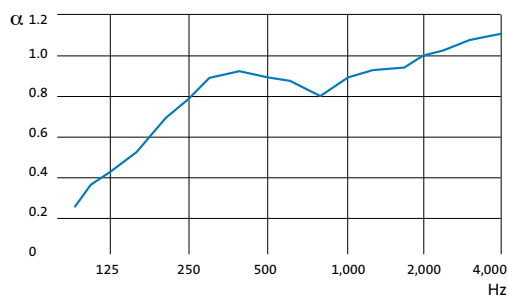


Ermes® E 15

- > Rigid stone wool self-supporting panel.
- > Painted edges, Boreal finish.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T15 - T15 hollow joint - T24 grids.



Acoustic absorption



- $\alpha_w = 0.90$: class A / NRC = 0.90



Light

- **Light reflection:** The light reflection coefficient is superior to 89%.
- **White:** L = 95.6% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 2,54 % avec un angle de 85° - according to ISO 2813.
- **Light diffusion:** > 99 % of the light is diffused.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Ermes® E 15 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European CErtification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor Air Quality

- Ermes® E 15 products are classed A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Ermes® E 15 ceilings are fitted on T15 - T15 hollow joint - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The painted surface of Ermes® E 15 ceilings does not retain dust, which makes them easier to clean.
- Ermes® E 15 ceilings can be cleaned using light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent), dry or wet steam + dry cloth.
- This type of cleaning will help extend the service life of Ermes® E 15 ceilings.

AT A GLANCE

Color	White Boreal finish	
Edges	E	
Grids	T15 - T15 hollow joint	T24

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	15	15
Panels/pack	24	12
m²/pack	8,64	8,64
Packs/pallet	22	22
Service class	A	C

Ermes® E 15 ceilings are packed in 6-sided boxes. Pallets are wrapped in plastic film and must be stored under cover.

MyConcept A 22

White decorative glass fiber veil,
with customized printing

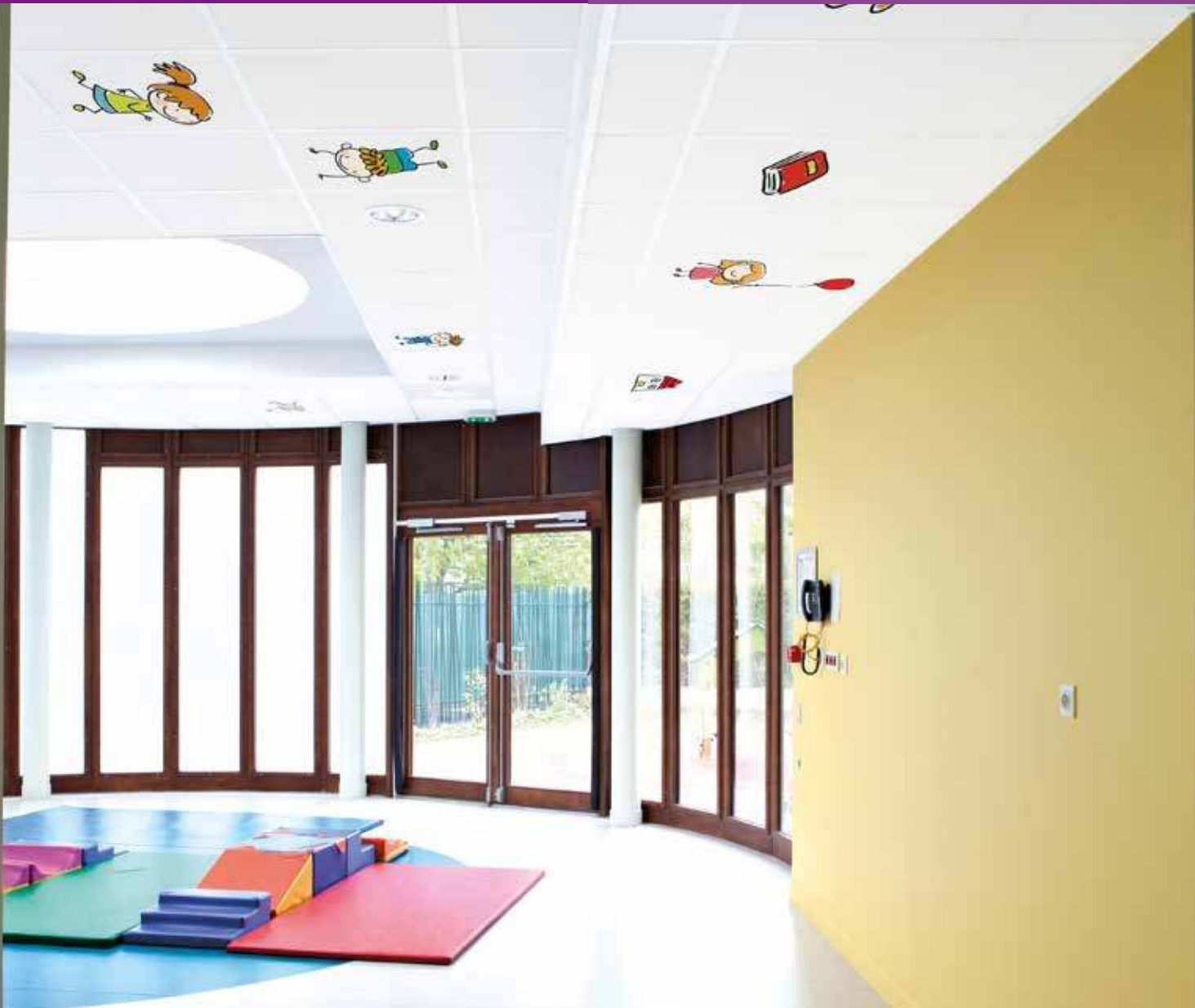
High density
stone wool panel,
22 mm thick

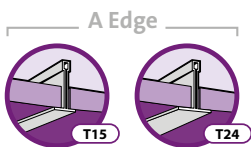
A Edges

Natural glass veil
on reverse side

KEY FEATURES

- Freedom of creation
- High Definition printing
- From one tile
- Validated performances





MyConcept A 22

- > Rigid stone wool self-supporting panel.
- > Decorative veil with bespoke printing on the visible side.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T15 - T24 grids.



Acoustic absorption

- $\alpha_w = 0.95$: class A / NRC = 0.95



Fire reaction

- According to the EN 13501-1 standard: the fire reaction of MyConcept varies with the coverage rate* of the visual on the tile. Please contact us.

Coverage rate of the visual on the tile: ratio between the printed surface and the whole surface of the tile.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our MyConcept A 22 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European CErtification Board of mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

N°DoP : 0007-02 and 0007-16.



Indoor Air Quality

- MyConcept A 22 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- MyConcept A 22 ceilings are fitted on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- Contact us if any stone wool is to be laid in the plenum.



Cleaning

- The surface of MyConcept A 22 ceilings does not retain dust, which makes them easier to clean.
- MyConcept A 22 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of MyConcept A 22 ceilings.

AT A GLANCE

Edges	A
Grids	T15 - T24

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	22	22
Service class	C	C

MyConcept panels are available from one tile

Clini'Safe® A 15

White painted glass fiber veil

High density
stone wool panel,
15 mm thick

A Edges, painted

Natural glass veil
on reverse side

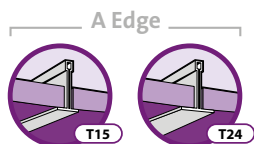
KEY FEATURES

- Tested on the three criteria in Zone 4 of the French Health Standard NF S90-351: 2013
- Cleaning: five cleaning methods
- Acoustic absorption: $\alpha_w = 0.90$
- Reaction to fire: A1
- 100% flat irrespective of the moisture content
- Painted edges and visible face
- High density panel



White



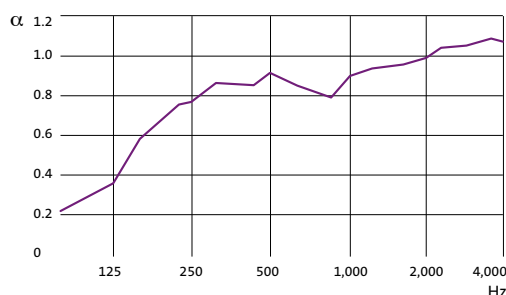


Clini'Safe® A 15

- > Rigid stone wool self-supporting panel.
- > Painted white finish on the visible side.
- > Painted edges.
- > Reinforced by a natural glass fiber veil on the reverse side.



Acoustic absorption



- $\alpha_w = 0.90$: class A / NRC = 0.90



Light reflection

- The light reflection coefficient of the veil is superior to 85%.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Fire resistance

- Clini'Safe® A 15 ceilings (600 x 600 and 1,200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test reports) are SF 30 according to Belgian standard NBN 713-020.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Clini'Safe® A 15 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor Air Quality

- Clini'Safe® A 15 products are classed A.



Performance in Healthcare establishments

- Clini'Safe® A 15 ceilings satisfy microbiological requirements for type 4 and 3 Zones:

Areas	Control of airborne particles	Kinetics of particle decontamination	Microbiological cleanliness	Tested strains
4	ISO 4	CP5	M1	Escherichia coli, Klebsiella pneumoniae, Aspergillus niger and Candida albicans
3	ISO 4	CP5	M10	Acinobacter baumannii, Bacillus cereus, Streptococcus pneumoniae and methicillin-resistant Staphylococcus aureus (SARM)



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NFP 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Clini'Safe® A 15 ceilings are fitted on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The painted surface of Clini'Safe® A 15 ceilings does not retain dust, which makes them easier to clean.
- Clini'Safe® A 15 ceilings can be cleaned using light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- Clini'Safe® A 15 ceilings are resistant to the most widely used disinfectants in hospitals, with a base of: hydrogen peroxide, chlorine dioxide and glutaraldehyde.
- This type of cleaning will help extend the service life of Clini'Safe® A 15 ceilings.

AT A GLANCE

Color	White
Edges	A
Grids	T15 - T24

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	15	15
Panels/pack	24	12
m²/pack	8,64	8,64
Packs/pallet	22	22
Service class	A	C

Clini'Safe® A 15 ceilings are packed in 6-sided boxes. Pallets are wrapped in plastic film and must be stored under cover.

Clini'Safe® E 15

White painted glass fiber veil

High density
stone wool panel,
15 mm thick

E Edges, painted

Natural glass veil
on reverse side

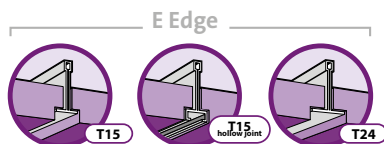
KEY FEATURES

- Tested on the three criteria in Zone 4 of the French Health Standard NF S90-351: 2013
- Cleaning: five cleaning methods
- Acoustic absorption: $\alpha_w = 0.90$
- Reaction to fire: A1
- 100% flat irrespective of the moisture content
- Painted edges and visible face
- High density panel



White



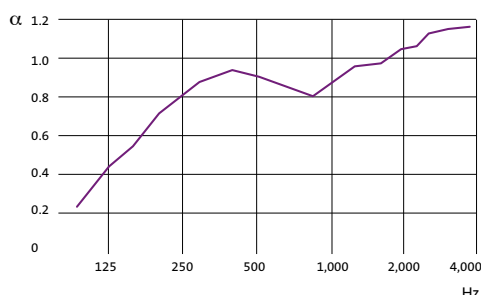


Clini'Safe® E 15

- > Rigid stone wool self-supporting panel.
- > Painted white finish on the visible side.
- > Painted edges.
- > Reinforced by a natural glass fiber veil on the reverse side.



Acoustic absorption



• $\alpha_w = 0.90$: class A / NRC = 0.90



Light reflection

- The light reflection coefficient of the veil is superior to 85%.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Clini'Safe® E 15 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European CErtification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor Air Quality

- Clini'Safe® E 15 products are classed A.



Performance in Healthcare establishments

- Clini'Safe® E 15 ceilings satisfy microbiological requirements for type 4 and 3 Zones:

Areas	Control of airborne particles	Kinetics of particle decontamination	Microbiological cleanliness	Tested strains
4	ISO 4	CP5	M1	Escherichia coli, Klebsiella pneumoniae, Aspergillus niger and Candida albicans
3	ISO 4	CP5	M10	Acinobacter baumannii, Bacillus cereus, Streptococcus pneumoniae and methicillin-resistant Staphylococcus aureus (SARM)



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NFP 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Clini'Safe® E 15 ceilings are fitted on T15 - T15 hollow joint - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The painted surface of Clini'Safe® E 15 ceilings does not retain dust, which makes them easier to clean.
- Clini'Safe® E 15 ceilings can be cleaned using light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- Clini'Safe® E 15 ceilings are resistant to the most widely used disinfectants in hospitals, with a base of: hydrogen peroxide, chlorine dioxide and glutaraldehyde.
- This type of cleaning will help extend the service life of Clini'Safe® E 15 ceilings.

AT A GLANCE

Color	White	
Edges	E	
Grids	T15 - T15 hollow joint	T24

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	15	15
Panels/pack	24	12
m²/pack	8,64	8,64
Packs/pallet	22	22
Service class	A	C

Clini'Safe® E 15 ceilings are packed in 6-sided boxes. Pallets are wrapped in plastic film and must be stored under cover.

Acoustichoc® A 22

Decorative glass fiber veil
in white or colors, reinforced
with a glass grid

High density
stone wool panel,
22 mm thick



A Edges

Natural glass veil
on reverse side

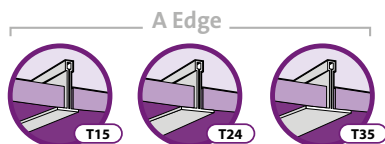
KEY FEATURES

- Proven impact resistance
- 7 colors available
- Acoustic absorption : $\alpha_w = 1$
- Reaction to fire : A2-s1, d0 (white) and A1 (colors)
- 100% flat irrespective of the moisture content
- IAQ: Class A+



White Beige Blue Grey Yellow Green Black





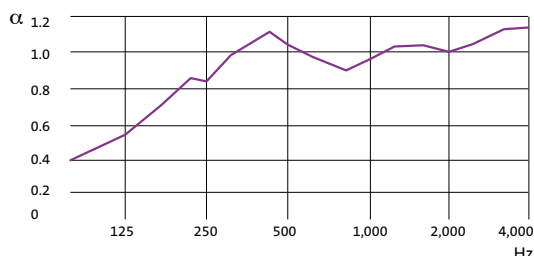
IMPACT RESISTANCE

Acoustichoc® A 22

- > Rigid Stone wool self-supporting panel.
- > Decorative glass fiber veil reinforced with a glass grids
- > Designed to be installed on T15 - T24 - T35 grids.



Acoustic absorption



• $\alpha_w = 1$: class A / NRC = 1



Fire reaction

According to EN 13501-1:

- For white: Euroclass A2-s1, d0.
- For colors and patterns: Euroclass A1.



Fire resistance

- Acoustichoc® A 22 ceilings (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Classification	Modules (in mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolène® 603

- Acoustichoc® A 22 ceilings (600 x 600 and 1,200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test reports) are SF30 according to Belgian standard NBN 713-020.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustichoc® A 22 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-07 (colors) - 0007-06 (white).



Indoor Air Quality

- Acoustichoc® A 22 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Acoustichoc® A 22 ceilings are fitted on T15 - T24 - T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The surface of Acoustichoc® A 22 ceilings does not retain dust, which makes them easier to clean.
- Acoustichoc® A 22 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustichoc® A 22 ceilings.

AT A GLANCE

Color	Beige	White	Blue	Grey	Yellow	Black	Green
Edges	A						
Grids	T15 - T24 - T35						

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	22	22
Panels/pack	24	12
m²/pack	8,64	8,64
Packs/pallet	18	18
Service class	B	B

Acoustichoc® A 22 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Acoustichoc® A 40

Decorative glass fiber veil
in white or colors, reinforced
with a glass grid

High density
stone wool panel,
40 mm thick



A Edges

Natural glass veil
on reverse side

KEY FEATURES

- Proven impact resistance
- 7 colors available
- Acoustic absorption : $\alpha_w = 1$
- Reaction to fire : A2-s1, d0 (white) and A1 (colors)
- 100% flat irrespective of the moisture content
- Thermal resistance: 1.10 m². K/W
- IAQ: Class A+



White



Beige



Blue



Grey



Yellow

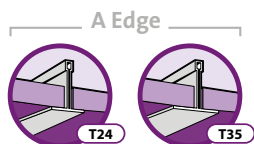


Green



Black





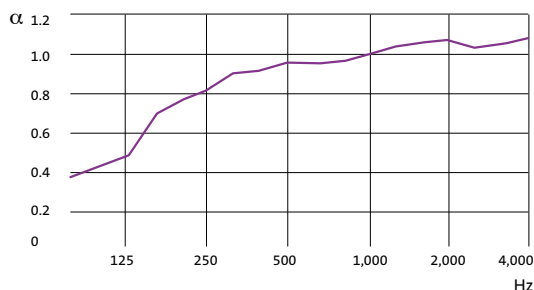
IMPACT RESISTANCE

Acoustichoc® A 40

- > Rigid stone wool self-supporting panel.
- > Decorative glass fiber veil reinforced with a glass grids
- > Designed to be installed on T24 - T35 grids.



Acoustic absorption



• $\alpha_w = 1$: class A / NRC = 1



Fire reaction

- According to EN 13501-1:
- For white: Euroclass A2-s1, d0.
 - For colors: Euroclass A1.



Fire resistance

- Acoustichoc® A 40 ceilings (1,200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test reports) are SF30 according to Belgian standard NBN 713-020.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- According to EN 13162, Acoustichoc® A 40 ceilings offer thermal resistance of:

Thickness	Thermal resistance
40 mm	1.10 m²·K/W



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustichoc® A 40 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-07 (colors) - 0007-06 (white).



Indoor Air Quality

- Acoustichoc® A 40 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Acoustichoc® A 40 ceilings are fitted on T24 - T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The surface of Acoustichoc® A 40 ceilings does not retain dust, which makes them easier to clean.
- Acoustichoc® A 40 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustichoc® A 40 ceilings.

AT A GLANCE

Color	Beige	White	Blue	Grey	Yellow	Black	Green
Edges	A						
Grids	T24 - T35						

Module size (mm) and packaging

Width	600	1000
Length	1200	1500
Thickness	40	40
Panels/pack	10	4
m²/pack	7,20	6,00
Packs/pallet	12	14
Service class	B	B

Acoustichoc® A 40 ceilings are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Acoustichoc® Impact 15

Decorative glass fiber veil
in white or colors, reinforced
with a glass grid

High density
stone wool panel,
22 mm thick



A Edges

Natural glass veil
on reverse side

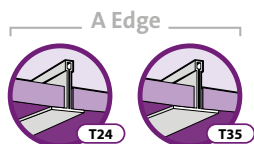
KEY FEATURES

- Impact-resistant to 15 km/h
- 7 colors available
- Acoustic absorption : $\alpha_w = 1$
- Reaction to fire : A2-s1, d0 (white) and A1 (colors)
- 100% flat irrespective of the moisture content
- IAQ: Class A+



White Beige Blue Grey Yellow Green Black





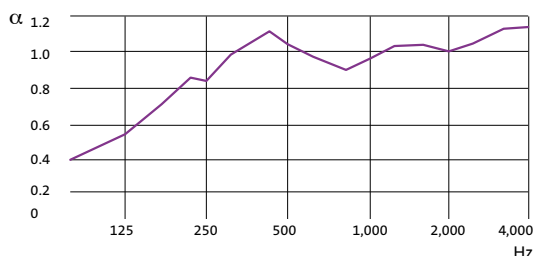
IMPACT RESISTANCE

Acoustichoc® Impact 15

- > System comprising Acoustichoc® 22 mm panels, T24 or T35 Quick-Lock® Clip-On grids and Euroclip anti-lift clips.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 1



Fire reaction

According to EN 13501-1:

- For white: Euroclass A2-s1, d0.
- For colors: Euroclass A1.

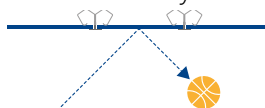


Humidity performance

- 100% flat irrespective of the moisture content.

Impact resistance

- For significant impacts: Class 3A - certified performance in accordance with the ball test methodology defined in EN 13964 – Annex D and conducted by the MFPA Leipzig GmbH laboratory.



Withstands more than 36 hard ball impacts at a speed of 15 km/h.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustichoc® Impact 15 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-07 (colors) - 0007-06 (white).



Indoor Air Quality

- Acoustichoc® Impact 15 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.

Acoustichoc® Impact 15 ceiling: 600 x 600 x 22 mm

- T24 or T35 runners should be arranged in parallel lines every 1,200 mm. Every 600 mm, a 1,200 mm cross tee is placed at right angles and a 600 mm cross tee is used to close the 600 mm modules (+4 Euroclips/panel).

Acoustichoc® Impact 15 ceiling: 1,200 x 600 x 22 mm

- T24 or T35 runners should be arranged in parallel lines every 1,200 mm. Every 600 mm, a 1,200 mm cross tee is fitted at right angles.



- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.

To install an Impact 15 system, the following components are needed per m²:

Tiles	Euroclips
600 x 600 x 22 mm	5.6/m²*
600 x 1,200 x 22 mm	4.2/m²*

* Number of clips per m² provided for guidance only; the exact number should be calculated according to the building's configuration.



Cleaning

- The surface of Acoustichoc® Impact 15 ceilings does not retain dust, which makes them easier to clean.
- Acoustichoc® Impact 15 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustichoc® Impact 15 ceilings.

AT A GLANCE

Color	Beige	White	Blue	Grey	Yellow	Black	Green
Edges	A						
Grids	T24 - T35						

Module size (mm) and packaging

Width	600	600
Length	600	1200
Thickness	22	22
Panels/pack	24	12
m²/pack	8,64	8,64
Packs/pallet	18	18
Service class	B	B

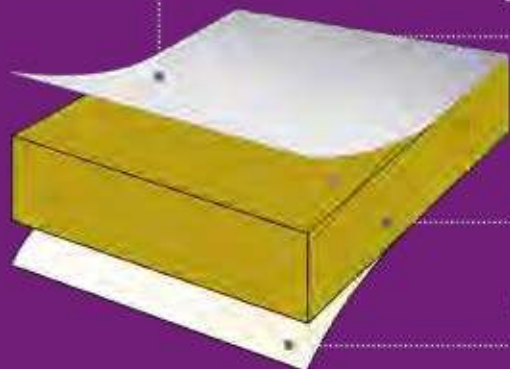
Euroclip anti-lift clips are available in 100 unit packs and A service class.

Acoustichoc® Impact 15 ceilings packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Acoustichoc® Impact 30

Decorative glass fiber veil
in white or colors, reinforced
with a glass grid

High density
stone wool panel,
40 mm thick



A Edges

Natural glass veil
on reverse side

KEY FEATURES

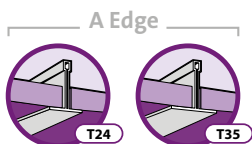
- Impact-resistant to 30 km/h
- 7 colors available
- Acoustic absorption : $\alpha_w = 1$
- Reaction to fire : A2-s1, d0 (white) and A1 (colors)
- 100% flat irrespective of the moisture content
- IAQ: Class A+



White Beige Blue Grey Yellow Green Black



IMPACT RESISTANCE

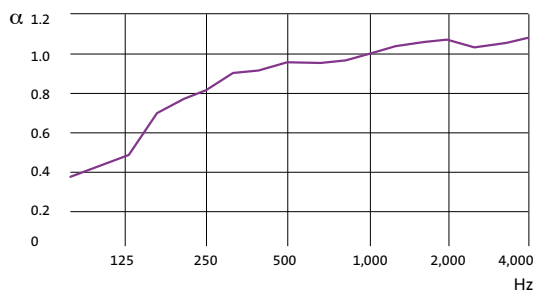


Acoustichoc® Impact 30

- > System comprising Acoustichoc® 40 mm panels, T24 or T35 Quick-Lock® Clip-On grids and Euroclip anti-lift clips.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 1



Fire reaction

According to EN 13501-1:

- For white: Euroclass A2-s1, d0.
- For colors: Euroclass A1.

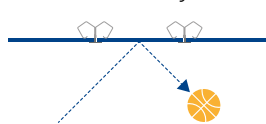


Humidity performance

- 100% flat irrespective of the moisture content.

Impact resistance

- For significant impacts: Class 2A - certified performance in accordance with the ball test methodology defined in EN 13964 – Annex D and conducted by the MFPA Leipzig GmbH laboratory.



Withstands more than 36 hard ball impacts at a speed of 30 km/h.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustichoc® Impact 30 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-07 (colors) - 0007-06 (white).



Indoor Air Quality

- Acoustichoc® Impact 30 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.

Acoustichoc® Impact 30 ceiling: 1,200 x 600 x 40 mm

- T24 or T35 runners should be arranged in parallel lines every 1,200 mm. Every 600 mm, a 1,200 mm cross tee is fitted at right angles.

Acoustichoc® Impact 30 ceiling: 1,500 x 1,000 x 40 mm

- T24 or T35 runners should be arranged in parallel lines every 1,500 mm. Every 1,000 mm, a 1,500 mm cross tee is fitted at right angles.



- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.

To install an Impact 30 system, the following components are needed per m²:

Tiles	Euroclips
600 x 1,200 x 40 mm	4.2/m²*
1,000 x 1,500 x 40 mm	2/m²*

* Number of clips per m² provided for guidance only; the exact number should be calculated according to the building's configuration.



Cleaning

- The surface of Acoustichoc® Impact 30 ceilings does not retain dust, which makes them easier to clean.
- Acoustichoc® Impact 30 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustichoc® Impact 30 ceilings.

AT A GLANCE

Color	Beige	White	Blue	Grey	Yellow	Black	Green
Edges	A						
Grids	T24 - T35						

Module size (mm) and packaging

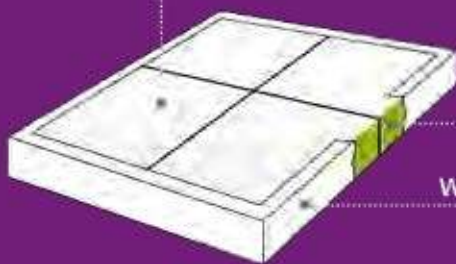
Width	600	1000
Length	1200	1500
Thickness	40	40
Panels/pack	10	4
m²/pack	7,20	6,00
Packs/pallet	12	14
Service class	B	B

Euroclip anti-lift clips are available in 100 unit packs and A service class.

Acoustichoc® Impact 30 ceilings are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Insula®

Decorative glass fiber veil in white,
EuroColors or EuroDesign



Stone wool panel

White aluminum frame

KEY FEATURES

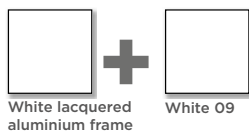
- Stylish solution for providing additional acoustic absorption
- Structured volumes and spaces
- Large choice of colors and designs
- 100% flat irrespective of the moisture content
- High-density panel



40 EuroColors

Custom colors service

6 EuroDesign



White lacquered
aluminium frame

White O9

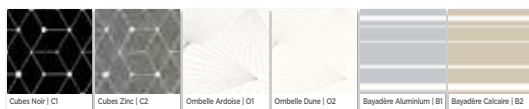
OR



OR



OR



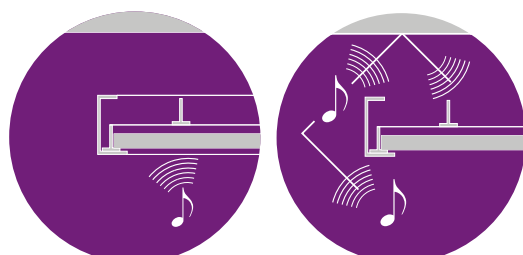
Insula®

- > Island ceiling concept.
- > 76 mm-thick white pre-lacquered aluminum frame.
- > Eurocoustic filling panels.



Acoustic absorption

- The Insula® island ceiling concept enhances the acoustic performance of the decorative panels used to fill the ceiling through a combination of direct and indirect absorption.



Direct
absorption

Indirect
absorption



Fire reaction

- According to EN 13501-1: according to the filling panel.



Humidity performance

- 100% flat irrespective of the moisture content.



Environment and health

For filling panels :

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Insula® panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- N° DoP no.: 0007-109.



Indoor Air Quality

- Insula® products are classed A+.



Installation

- Standard kit including frame + grids + accessories (only provide tiles, hangers and high fixing elements, depending on the type of tile, wood, concrete, steel, etc.)
- See installation recommendations on www.eurocoustic.com.

AT A GLANCE

Module size (mm) and packaging

Width	1200	1200
Length	1200	2400
Thickness	76	76
Service class	C	C

Please contact us for other sizes

Insula® kits are composed of 2 packs (1 pack of edges and 1 pack of profiles and accessories)

Filling panels packshave to be ordered separately

Filling panels packs are .

The Insula® 76A system is available in other sizes. You can make islands of dimensions from 1200mm to 3600mm. For more information, see our **QUICK-LOCK®** catalog.

Eurobaffle®

Decorative glass fiber veil in white, EuroColors or EuroDesign (on both sides)



Stone wool panel

White steel frame

KEY FEATURES

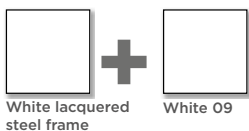
- Reduced acoustic reverberation
- Ensures acoustic correction without affecting the room's volume and natural light
- 100% flat irrespective of the moisture content
- A wide range of colors
- Constraint-free installation with variable spacing and heights



40 EuroColors

Custom colors service

6 EuroDesign

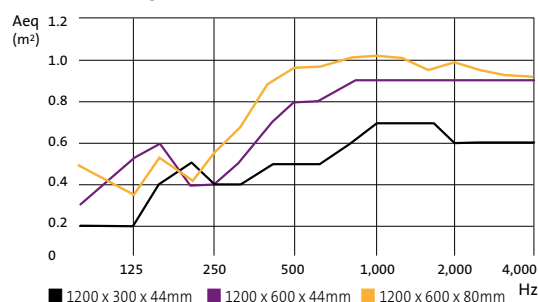


Eurobaffle®

- > Vertical absorption panel.
- > Rigid stone wool panel inserted on four sides into a white pre-lacquered galvanized steel frame.
- > Decorative veil on both visible sides.



Acoustic absorption



Fire reaction

- According to EN 13501-1: according to the filling panel.



Humidity performance

- Our panels are guaranteed to lose none of their rigidity in humid conditions.
- Pools: due to the risk of corrosion in chlorine environments, contact us for details about our range of frames and accessories with superior anti-corrosion protection.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Eurobaffle® panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-02 (colors).

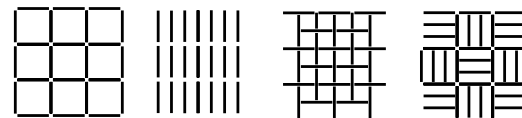


Indoor Air Quality

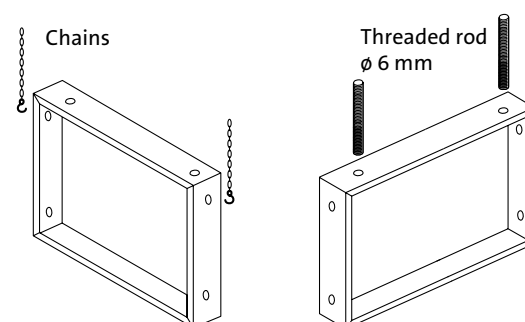
- Eurobaffle® products are classed according to the filling panel - A+.



Installation



- The product must be fitted in accordance with the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- Example:



AT A GLANCE

Color	White 09	EuroColors	EuroDesign	White Boreal finish
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Module size (mm) and packaging

Width	300	300	600	600	600	600
Length	1200	1200	1200	1200	1200	1200
Thickness	44	44	44	44	80	80
Panels/pack	12	12	6	6	4	4
m²/pack	4,32	4,32	4,32	4,32	2,88	2,88
Packs/pallet	16	16	16	16	14	14
Service class	A	C	A	C	B	C

Service class A : for Eurobaffle® White 09.

Service class C : for Eurobaffle® EuroColors, EuroDesign and Boreal finish.

Suspension elements are not provided.

Pallets are wrapped in plastic film and must be stored under cover
Eurobaffle® ceilings are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover .

White decorative glass fiber veil

Aluminum sheet

A Edges

Stone wool panel,
40 or 80 mm thick

Natural glass veil
on reverse side

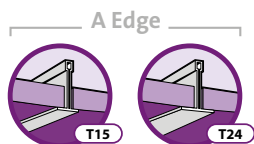


KEY FEATURES

- Sound insulation : 38 dB
- Reaction to fire: A1
- 100% flat irrespective of the moisture content
- High density panel
- Thermal resistance: 1.10 m². K/W (40 mm) and 2.25 m². K/W (80 mm)



White 94



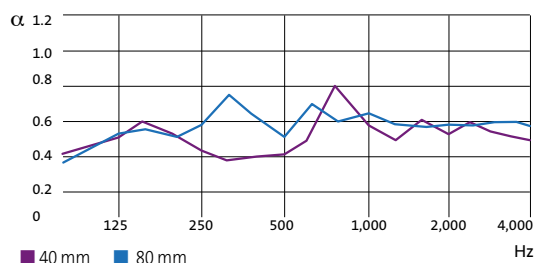
SOUND INSULATION

Alizé®

- > Rigid stone wool self-supporting panel.
Complex of glass fiber and aluminum sheet.
Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T15 and T24 grids.



Acoustic absorption



- 40 mm : $\alpha_w = 0.55$: class D / NRC = 0.50
- 80 mm : $\alpha_w = 0.60$: class C / NRC = 0.55

Lateral attenuation

- Alizé® ceilings improve lateral acoustic insulation performance between two rooms.

Thickness	Barrier		$D_{n,w} (C, C_{tr})$ dB
40 mm	+ Acoustipan®		48 (-2, -8)
40 mm	-		38 (-2, -8)



Light reflection

- The light reflection coefficient of the veil is superior to 81%.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Fire resistance

- Alizé® ceilings (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Classification	Modules (in mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolène® 603 + 0 to 200 mm of IBR

- Alizé® ceilings (600 x 600 and 1,200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test reports) are SF30 according to Belgian standard NBN 713-020.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- According to EN 13162, Alizé® ceilings offer thermal resistance of:

Thickness	Thermal resistance
40 mm	1.10 m² · K/W
80 mm	2.25 m² · K/W



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Alizé® panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-08.



Indoor Air Quality

- Alizé® products are classed A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Alizé® ceilings are fitted on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- Contact us if any mineral wool is to be laid in the plenum.



Cleaning

- The surface of Alizé® ceilings does not retain dust, which makes them easier to clean.
- Alizé® ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Alizé® ceilings.

AT A GLANCE

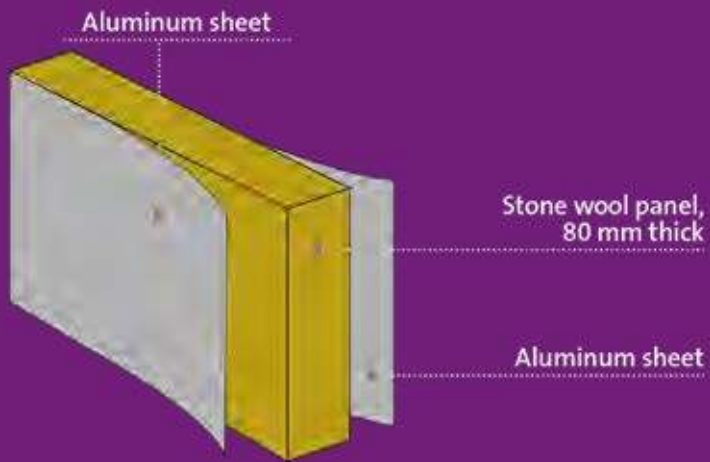
Color	White 94
Edges	A
Grids	T15 - T24

Module size (mm) and packaging

Width	600	600	600	600
Length	600	600	1200	1200
Thickness	40	80	40	80
Panels/pack	20	12	10	6
m²/pack	7,20	4,32	7,20	4,32
Packs/pallet	12	10	12	10
Service class	A	A	A	A

Alizé® ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Acoustipan®



KEY FEATURES

- Acoustic barrier for a sound reduction up to 11 dB
- 100% flat irrespective of the moisture content
- IAQ: Class A

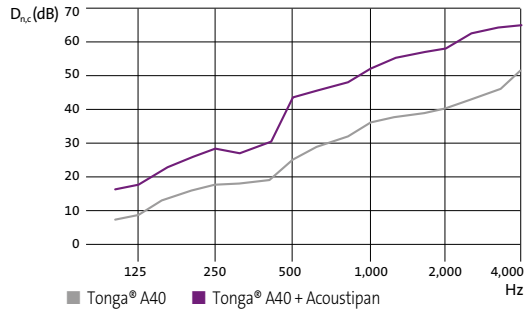


Acoustipan®

- > Rigid stone wool self-supporting panel.
- > Covered on both sides with a sheet of aluminum.

Lateral attenuation

- Acoustipan® reduces lateral transmission between two spaces.



- Tonga® A40 : $D_{n,c,w} (C;Ctr) = 28(-2 ; -6) \text{ dB}$
- Tonga® A40 + Acoustipan® : $D_{n,c,w} (C;Ctr) = 39(-2 ; -7) \text{ dB}$



Fire reaction

- According to EN 13501-1: Euroclass A2-s1, d0.

Empty spaces in attics

- Inaccessible attics and the existing gap between the floor and the suspended ceiling must be filled with materials featuring a M0 fire protection rating or by firewalls with a 15-minute rating.
- The maximum surface of these spaces must not exceed 300 m², and the longest side must not exceed 30 m.
- This is not required if the empty spaces above are protected with an automatic fire suppression system or located inside a compartment.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- According to EN 13162, Acoustipan® panels offer thermal resistance of:

Thickness	Thermal resistance
80 mm	2.35 m²·K/W



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCEB (European Certification Board for mineral wool product).

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0001-103.



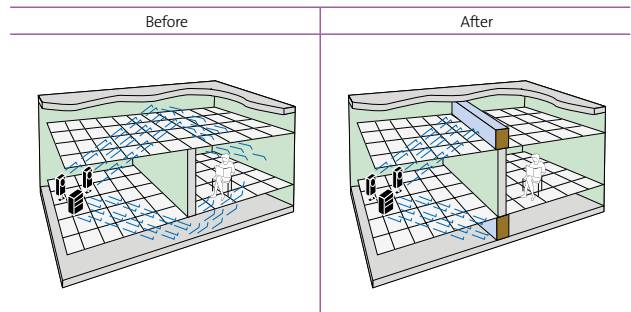
Indoor Air Quality

- Acoustipan® products are classed A.



Installation

- Acoustipan® panels are arranged in the plenum on the top of mobile separating partitions, between rooms to be isolated.
- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.



AT A GLANCE

Module size (mm) and packaging

Width	600	1000
Length	1200	1200
Thickness	80	80
Panels/pack	5	3
m²/pack	3,60	3,60
Packs/pallet	12	10
Service class	A	A

Acoustipan® ceiling packs are shrink-wrapped for protection and sold per pallet. Pallets are wrapped in plastic film and must be stored under cover.

Acoustished® A 40

Decorative glass fiber veil
in white or EuroColors

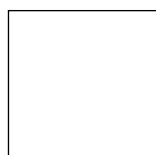
High density
stone wool panel,
38 mm thick

A Edges

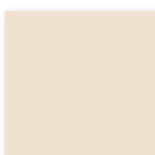
Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Reaction to fire: A1 (white) and A2-s1, d0 (colors)
- 100% flat irrespective of the moisture content
- Dimensions suited for large rooms and spaces
- 7 EuroColors available
- High density panel
- Superior flexural strength
- IAQ: Class A+
- Compatible with French thermal building regulations (RT 2012)
- ACERMI certification



White | 09



Sable | D5



Ocre | T3



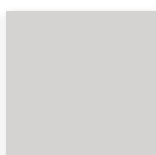
Rubis | G5



Outremer | T4



Saphir | G6



Chrome | M2



Noir | V7

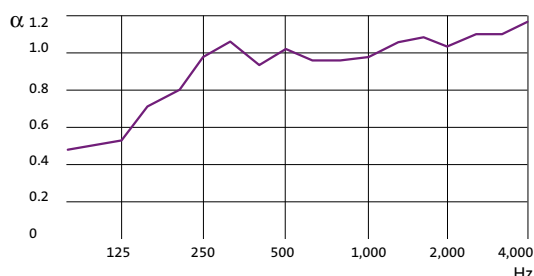


Acoustished® A 40

- > Rigid stone wool self-supporting panel.
- > Decorative veil on the visible side.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T35 grids.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 1



Light

- **Light reflection:** The light reflection coefficient is superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 0,74 % avec un angle de 85° - according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** 11% reduction in artificial lighting needs.



Fire reaction

- According to EN 13501-1:
- For white: Euroclass A1.
- For colors: Euroclass A2-s1, d0.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- Acoustished® A 40 ceilings offer thermal resistance measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
38 mm	1.10 m² K/W

- Compatible with French thermal building regulations (RT 2012).



Resistance to bending

- According to EN 13964 - Annex F, Acoustished® A 40 ceilings are classified as C/130N/m².
- This value should be kept in mind if any mineral wool is to be laid in the plenum.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustished® A 40 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-12 (white) - 0007-13 (colors).



Indoor Air Quality

- Acoustished® A 40 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Acoustished® A 40 ceilings are fitted on T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- See installation recommendations.



Cleaning

- The surface of Acoustished® A 40 ceilings does not retain dust, which makes them easier to clean.
- Acoustished® A 40 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustished® A 40 ceilings.

AT A GLANCE

Color	White 09	EuroColors
Edges	A	
Grids	T35	

Module size (mm) and packaging

Width	990	990	990	1000
Length	1310	1370	1985	1500
Thickness	38	38	38	38
Panels/pack	8	8	8	8
m²/pack	10,38	10,85	15,72	12,00
Packs/pallet	8	8	8	8
Service class	C	C	C	A

Dimensions suitable for installation between beams : 990 x 1310 / 1370 / 1985 mm.

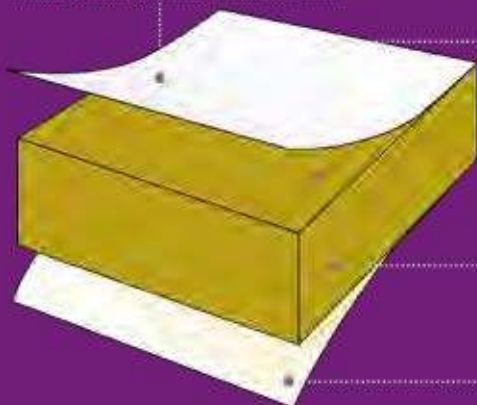
Dimensions suitable for installation in a suspended ceiling : 1000 x 1500 mm.

Acoustished® A 40 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Acoustished® A 80

Decorative glass fiber veil
in white or EuroColors

High density
stone wool panel,
77 mm thick

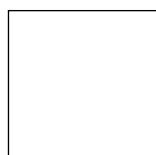
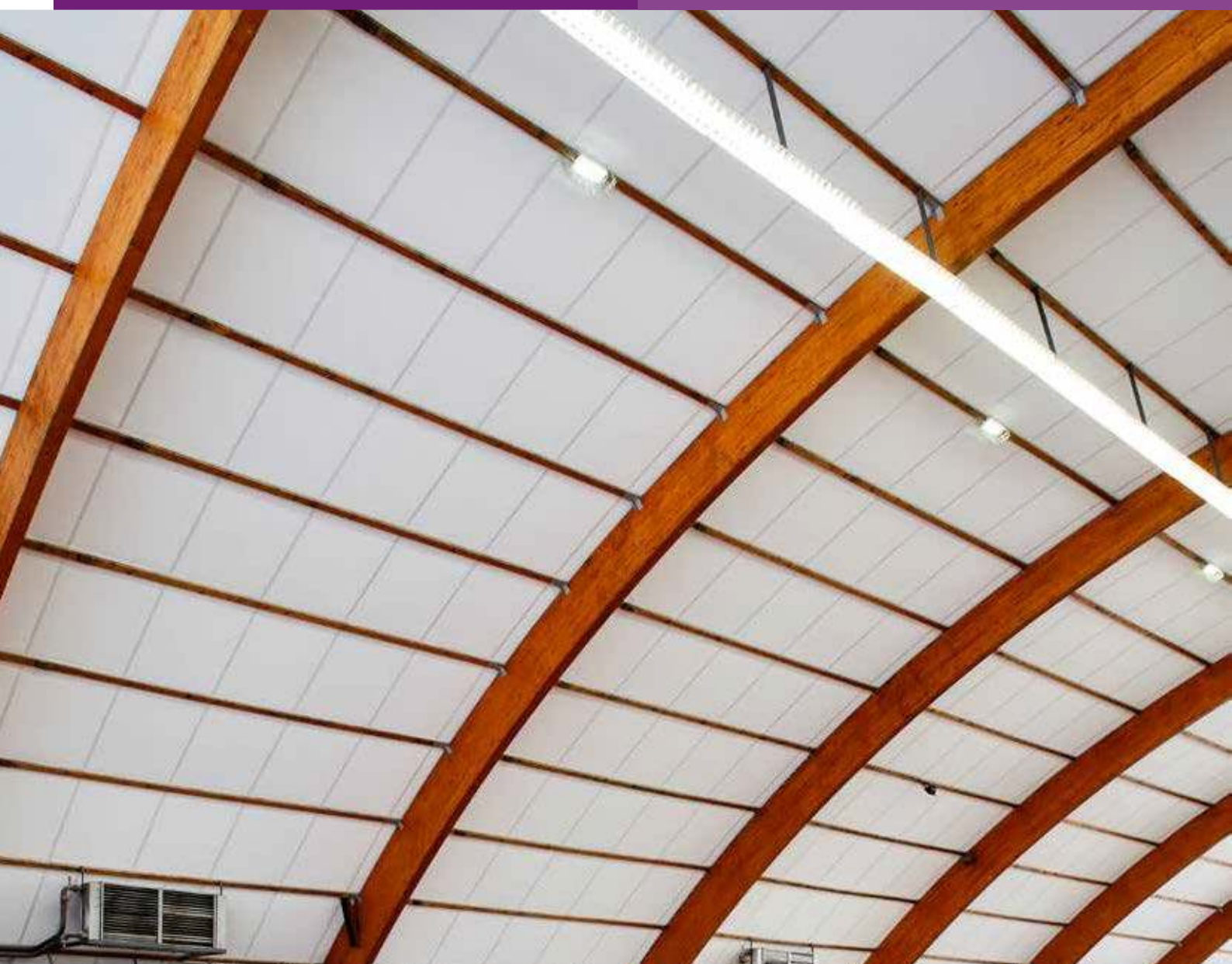


A Edges

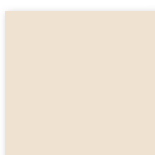
Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Reaction to fire: A1 (white) and A2-s1, d0 (colors)
- 100% flat irrespective of the moisture content
- Dimensions suited for large rooms and spaces
- 7 EuroColors available
- High density panel
- Superior flexural strength
- IAQ: Class A+
- Compatible with French thermal building regulations (RT 2012)
- ACERMI certification



White 09



Sable | D5



Ocre | T3



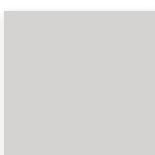
Rubis | G5



Outremer | T4



Saphir | G6



Chrome | M2



Noir | V7

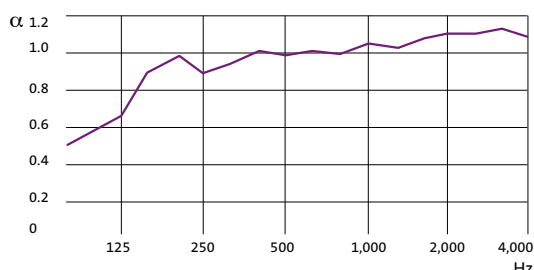


Acoustished® A 80

- > Rigid stone wool self-supporting panel.
- > Decorative veil on the visible side.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T35 grids.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 1



Light

- **Light reflection:** The light reflection coefficient is superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 0,74 % avec un angle de 85° - according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** 11% reduction in artificial lighting needs.



Fire reaction

- According to EN 13501-1:
- For white: Euroclass A1.
- For colors: Euroclass A2-s1, d0.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- Acoustished® A 80 ceilings offer thermal resistance measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
77 mm	2.20 m² K/W

- Compatible with French thermal building regulations (RT 2012).



Resistance to bending

- According to EN 13964 - Annex F, Acoustished® A 80 ceilings are classified as C/195N/m².
- This value should be kept in mind if any mineral wool is to be laid in the plenum.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustished® A 80 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-12 (white) - 0007-13 (colors).



Indoor Air Quality

- Acoustished® A 80 products are classed A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Acoustished® A 80 ceilings are fitted on T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- See installation recommendations.



Cleaning

- The surface of Acoustished® A 80 ceilings does not retain dust, which makes them easier to clean.
- Acoustished® A 80 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustished® A 80 ceilings.

AT A GLANCE

Color	White 09	EuroColors
Edges	A	
Grids	T35	

Module size (mm) and packaging

Width	990	990	990	1000
Length	1310	1370	1985	1500
Thickness	77	77	77	77
Panels/pack	4	4	4	4
m²/pack	5,19	5,43	7,86	6,00
Packs/pallet	8	8	8	8
Service class	C	C	C	A

Dimensions suitable for installation between beams : 990 x 1310 / 1370 / 1985 mm.

Dimensions suitable for installation in a suspended ceiling : 1000 x 1500 mm.

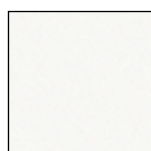
Acoustished® A 80 ceilings are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Acoustished® CV A 40



KEY FEATURES

- Resistance to air and water vapor flows
- Thermal resistance: $R = 1.10 \text{ m}^2 \cdot \text{K/W}$
- Can be fitted beneath a cold roof
- Excell Zone Verte hygiene hallmark for food processing facilities and wineries
- Reaction to fire: A1
- 100% flat irrespective of the moisture content
- Superior flexural strength
- ACERMI certification



White 94

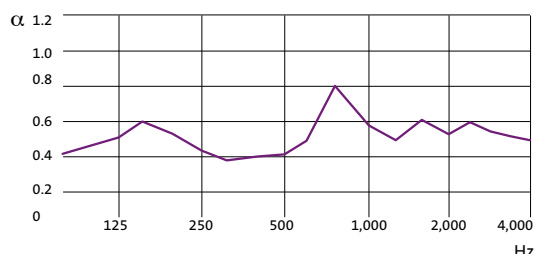


Acoustished® CV A 40

- > 38 mm rigid stone wool panel.
- > Oversize dimensions
Complex of glass fiber and aluminum sheet.
- > Reinforced by a natural glass fiber veil on the reverse side.



Acoustic absorption



- 38 mm $\alpha_w = 0.55$: class D / NRC = 0.50



Light

- **Light reflection:** The light reflection coefficient is superior to 80%.
- **White:** L = 92% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is - according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Humidity performance

- 100% flat irrespective of the moisture content.



Air resistance

- Acoustished® CV A 40 panels are resistant to air flow.



Water vapour resistance

- Acoustished® CV A 40 panels are resistant to water vapor flow.



Thermal resistance

- Acoustished® CV A 40 ceilings offer thermal resistance measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
38 mm	1.10 m².K/W

- Compatible with French thermal building regulations (RT 2012).



Resistance to bending

- According to EN 13964 - Annex F, Acoustished® CV A 40 ceilings are classified as C/130N/m².
- This value should be kept in mind if any mineral wool is to be laid in the plenum.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustished® CV A 40 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-08.



Indoor Air Quality

- Acoustished® CV A 40 products are classed A.
- Excell Zone Verte hygiene hallmark



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Acoustished® CV A 40 ceilings are fitted on T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- See installation recommendations.



Cleaning

- The surface of Acoustished® CV A 40 ceilings does not retain dust, which makes them easier to clean.
- Acoustished® CV A 40 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustished® CV A 40 ceilings.

AT A GLANCE

Color	White 94
Edges	A
Grids	T35

Module size (mm) and packaging

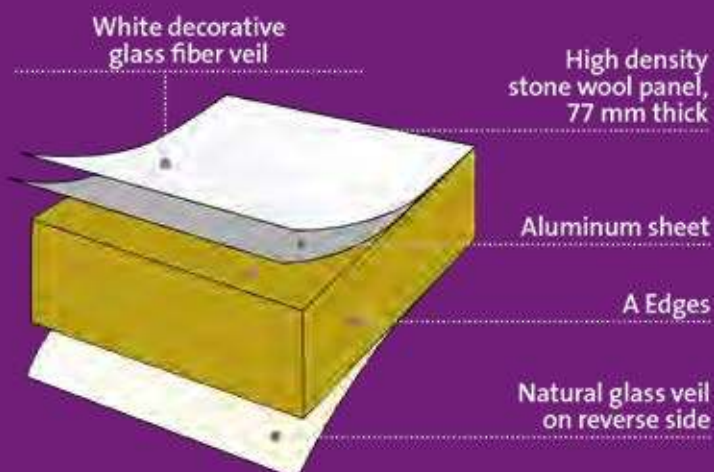
Width	990	990	990	1000
Length	1310	1370	1985	1500
Thickness	38	38	38	38
Panels/pack	8	8	8	8
m²/pack	10,38	10,85	15,72	12,00
Packs/pallet	8	8	8	8
Service class	C	C	C	A

Dimensions suitable for installation between beams : 990 x 1310 / 1370 / 1985 mm.

Dimensions suitable for installation in a suspended ceiling : 1000 x 1500 mm.

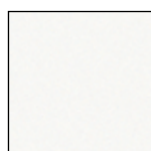
Acoustished® CV A 40 ceiling panels are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Acoustished® CV A 80



KEY FEATURES

- Resistance to air and water vapor flows
- Thermal resistance: $R = 2.20 \text{ m}^2 \cdot \text{K/W}$
- Can be fitted beneath a cold roof
- Excell hygiene hallmark for food processing facilities and wineries
- Reaction to fire: A1
- 100% flat irrespective of the moisture content
- Superior flexural strength
- ACERMI certification



White 94

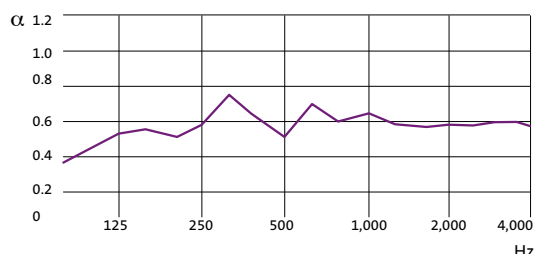


Acoustished® CV A 80

- > 77 mm rigid Stone wool panel.
- > Oversize dimensions
Complex of glass fiber and aluminum sheet.
- > Reinforced by a natural glass fiber veil on the reverse side.



Acoustic absorption



- 77 mm $\alpha_w = 0.60$: class C / NRC = 0.55



Light

- **Light reflection:** The light reflection coefficient is superior to 80%.
- **White:** L = 92% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is - according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Humidity performance

- 100% flat irrespective of the moisture content.



Air resistance

- Acoustished® CV A 80 panels are resistant to air flow.



Water vapour resistance

- Acoustished® CV A 80 panels are resistant to water vapor flow.



Thermal resistance

- Acoustished® CV A 80 ceilings offer thermal resistance measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
77 mm	2.20 m²·K/W

- Compatible with French thermal building regulations (RT 2012).



Resistance to bending

- According to EN 13964 - Annex F, Acoustished® CV A 80 ceilings are classified as C/195N/m².
- This value should be kept in mind if any mineral wool is to be laid in the plenum.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustished® CV A 80 panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-08.



Indoor Air Quality

- Acoustished® CV A 80 products are classed A.
- Excell Zone Verte hygiene hallmark



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Acoustished® CV A 80 ceilings are fitted on T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.
- See installation recommendations.



Cleaning

- The surface of Acoustished® CV A 80 ceilings does not retain dust, which makes them easier to clean.
- Acoustished® CV A 80 ceilings can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustished® CV A 80 ceilings.

AT A GLANCE

Color	White 94
Edges	A
Grids	T35

Module size (mm) and packaging

Width	990	990	990	1000
Length	1310	1370	1985	1500
Thickness	77	77	77	77
Panels/pack	4	4	4	4
m²/pack	5,18	5,43	7,84	6,00
Packs/pallet	8	8	8	8
Service class	C	C	C	A

Dimensions suitable for installation between beams : 990 x 1310 / 1370 / 1985 mm.

Dimensions suitable for installation in a suspended ceiling : 1000 x 1500 mm.

Acoustished® CV A 80 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Acoustished® Mural A 40

Decorative glass fiber veil
in white or EuroColors

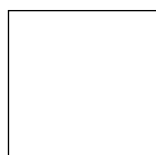
A Edges

High density
stone wool panel,
38 mm thick

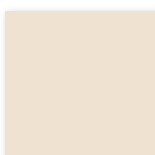
Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.95$
- Reaction to fire: A1 (white) and A2-s1, d0 (colors)
- 100% flat irrespective of the moisture content
- High density panel
- 1,500 x 1,000 mm module
- Full wall system available in 7 EuroColors
- IAQ: Class A+



White 09



Sable | D5



Ocre | T3



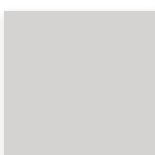
Rubis | G5



Outremer | T4



Saphir | G6



Chrome | M2



Noir | V7

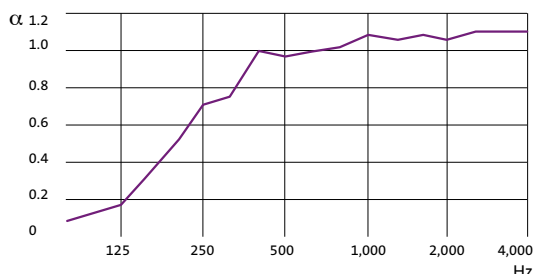


Acoustished® Mural A 40

- > Rigid stone wool self-supporting panel.
- > Decorative veil on the visible side.
- > Reinforced by a natural glass fiber veil on the reverse side.
- > Designed to be installed on T35 grids.



Acoustic absorption



- $\alpha_w = 0.95$: classe A / NRC = 0.95
- Measurements made without plenum.



Light

- **Light reflection:** The light reflection coefficient is more than 87% for the white veil.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 0,74 % avec un angle de 85° - according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.



Fire reaction

- According to EN 13501-1:
- For white: Euroclass A1.
- For colors: Euroclass A2-s1, d0.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- Acoustished® Mural A 40 ceilings offer thermal resistance measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
38 mm	1.10 m² K/W

- Compatible with French thermal building regulations (RT 2012).



Resistance to bending

- According to EN 13964 - Annex F, Acoustished® Mural A 40 ceilings are classified as C/130N/m².



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled.
- For projects based on NF HQE principles, the environmental and health product declarations are available at www.inies.fr.
- Eurocoustic is certified to ISO 14001: 2004 «Environmental Management Systems».

Healthcare

- Rock wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-12 (white) - 0007-13 (colors).



Indoor Air Quality

- Acoustished® Mural A 40 products are classed A+.



Installation

- Acoustished® Mural A 40 panels can be installed in walls, with at a minimum height of 2,0 m, with Eurocoustic's specific accessories (fixing clips and finish profiles) and **QUICK-LOCK®** grids. See installation recommendations and our installation video on www.eurocoustic.com.
- Acoustished® Mural A 40 panels are rigid, easily handled and cut with a craft knife and are fitted on T35 grids.



Cleaning

- The surface of Acoustished® Mural A 40 panels does not retain dust, which makes them easier to clean.
- Acoustished® Mural A 40 panels can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustished® Mural A 40 panels.

AT A GLANCE

Color	White 09	EuroColors
Edges	A	
Grids	T35	

Module size (mm) and packaging

Width	1000
Length	1500
Thickness	38
Panels/pack	8
m²/pack	12,00
Packs/pallet	8
Service class	A

Acoustished® Mural A 40 ceiling packs are shrink-wrapped for protection. Pallets are film-wrapped and must be stored under cover.

Acoustished® Mural A 80

Decorative glass fiber veil
in white or EuroColors

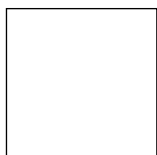
A Edges

High density
stone wool panel,
77 mm thick

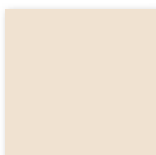
Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Reaction to fire: A1 (white) and A2-s1, d0 (colors)
- 100% flat irrespective of the moisture content
- High density panel
- 1,500 x 1,000 mm module
- Full wall system available in 7 EuroColors
- IAQ: Class A+



White | 09



Sable | D5



Ocre | T3



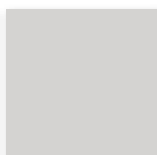
Rubis | G5



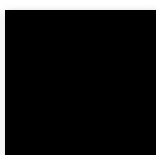
Outremer | T4



Saphir | G6



Chrome | M2



Noir | V7

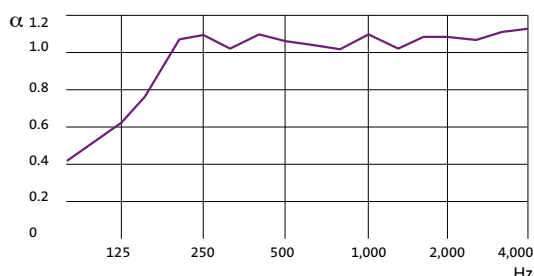


Acoustished® Mural A 80

- Rigid stone wool self-supporting panel.
- Decorative veil on the visible side.
- Reinforced by a natural glass fiber veil on the reverse side.
- Designed to be installed on T35 grids.



Acoustic absorption



- $\alpha_w = 1$: classe A / NRC = 1
- Measurements made without plenum.



Light

- **Light reflection:** The light reflection coefficient is more than 87% for the white veil.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Gloss:** Matt - The gloss value is 0,74 % avec un angle de 85° - according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.



Fire reaction

- According to EN 13501-1:
- For white: Euroclass A1.
- For colors: Euroclass A2-s1, d0.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- Acoustished® Mural A 80 ceilings offer thermal resistance measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
77 mm	2.20 m²·K/W

- Compatible with French thermal building regulations (RT 2012).



Resistance to bending

- According to EN 13964 - Annex F, Acoustished® Mural A 80 ceilings are classified as C/195N/m².



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled.
- For projects based on NF HQE principles, the environmental and health product declarations are available at www.inies.fr.
- Eurocoustic is certified to ISO 14001: 2004 «Environmen-

tal Management Systems».

Healthcare

- Rock wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-12 (white) - 0007-13 (colors).



Indoor Air Quality

- Acoustished® Mural A 80 products are classed A+.



Installation

- Acoustished® Mural A 80 panels can be installed in walls, with at a minimum height of 2,0 m, with Eurocoustic's specific accessories (fixing clips and finish profiles) and **QUICK-LOCK®** grids. See installation recommendations and our installation video on www.eurocoustic.com.
- Acoustished® Mural A 80 panels are rigid, easily handled and cut with a craft knife and are fitted on T35 grids.



Cleaning

- The surface of Acoustished® Mural A 80 panels does not retain dust, which makes them easier to clean.
- Acoustished® Mural A 80 panels can be cleaned using light brush / vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustished® Mural A 80 panels.

AT A GLANCE

Color	White 09	EuroColors
Edges	A	
Grids	T35	

Module size (mm) and packaging

Width	1000
Length	1500
Thickness	77
Panels/pack	4
m²/pack	6,00
Packs/pallet	8
Service class	A

Acoustished® Mural A 80 ceiling packs are shrink-wrapped for protection. Pallets are film-wrapped and must be stored under cover.

Rigid stone wool panel,
45, 50 or 160 mm thick



A Edges

KEY FEATURES

- Additional thermal-acoustic insulation
- For masonry partitions, plenums and dry walls
- Reaction to fire: A1



Eurolene®

> 45, 50, 160 mm rigid bare stone wool panel.

Acoustic insulation

- Eurolene® panels can be used to create high-performance partitions with insulation values from 30 to 60 dB depending on the design.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Fire resistance

- Eurolene® 603 panels, thickness 160 mm are essential products for obtaining REI 30-rated fire resistance for Tonga® A 22, Tonga® A 40, Tonga® E 20, Tonga® Ultra Clean A 22, Tonga® Ultra Clean A 40, Tonga® Ultra Clean E 20, Acoustichoc® A 22, Acoustichoc® A 40 and Alizé® ceilings on a timber supporting structure.



Humidity performance

- 100% flat irrespective of the moisture content.
- Immune to variations in atmospheric humidity and water vapor coming through the walls.

Water behaviour

- Non-hydrophilic (Veritas test report no. DEM 7 91 463).
- Tests conducted according to the NF P 75.302 standard have shown that Eurolene® panels are completely resistant to water penetration caused by gravity.
- Eurolene® products do not retain water and can withstand accidental infiltration without any deterioration.



Thermal resistance

- According to EN 12667, Eurolene® ceilings offer thermal resistance of:

Eurolene®	Thickness	Density	Thermal resistance
603	160 mm	30 kg/m ³	R = 4.30 m ² . K/W
604	45 mm	40 kg/m ³	R = 1.20 m ² . K/W
605	50 mm	50 kg/m ³	R = 1.40 m ² . K/W
607	50 mm	70 kg/m ³	R = 1.40 m ² . K/W
609	50 mm	90 kg/m ³	R = 1.40 m ² . K/W



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Eurolene® panels is 45%.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 100 (Eurolene® 603 and 604) and 101 (Eurolene® 605, 607 and 609).



Indoor Air Quality

- Eurolene® products are classed B.

AT A GLANCE

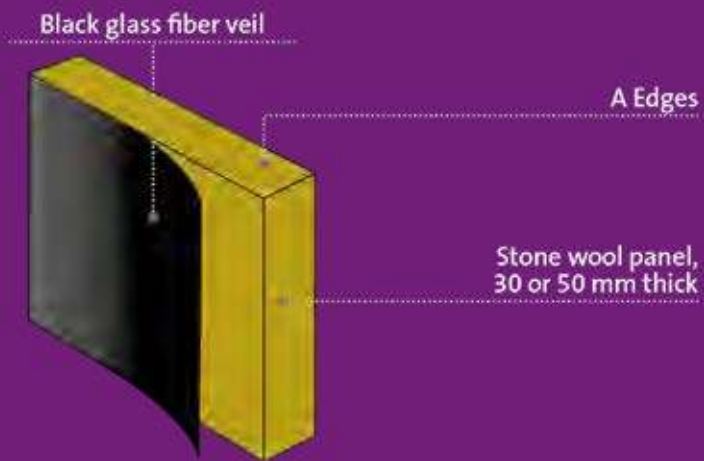
Edges	A
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Module size (mm) and packaging

Width	600	600	600	600	600
Length	1200	1200	1200	1200	1200
Thickness	45	50	50	50	160
Density	40 kg/m ³	50 kg/m ³	70 kg/m ³	90 kg/m ³	30 kg/m ³
Panels/pack	12	12	8	8	3
m ² /pack	8,64	8,64	5,76	5,76	2,16
Packs/pallet	8	8	12	12	10
Service class	C	C	C	C	C

Eurolene® panels are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Protisol®



KEY FEATURES

- Additional thermal-acoustic insulation
- Can be incorporated into insulating covers, baffles, partitions and insulating cladding
- Acoustic absorption: α_w = up to 1 (50 mm)
- Reaction to fire: A1
- 100% flat irrespective of the moisture content
- Thermal resistance of 1.35 m². K/W
- Non-combustible

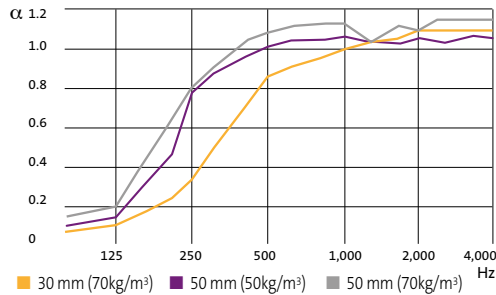


Protisol®

- > 30 or 50 mm rigid stone wool panel.
- > Covered with a black glass veil.



Acoustic absorption



- 30 mm (70 kg/m³) : $\alpha_w = 0.65$ (MH) : class C / NRC = 0.80
 - 50 mm (50 kg/m³) : $\alpha_w = 0.95$: class A / NRC = 0.90
 - 50 mm (70 kg/m³) : $\alpha_w = 1$: class A / NRC = 1
- Measurements made without plenum.



Fire reaction

- According to EN 13501-1: Euroclass A1.



Humidity performance

- 100% flat irrespective of the moisture content.



Thermal resistance

- According to EN 13162, Protisol® panels offer thermal resistance of:

Protisol®	Thickness	Density	Thermal Resistance
Protisol® 05	50 mm	50 kg/m³	$R = 1.35 \text{ m}^2 \cdot \text{K/W}$
Protisol® 07	30 mm	70 kg/m³	$R = 1.35 \text{ m}^2 \cdot \text{K/W}$
Protisol® 07	50 mm	70 kg/m³	$R = 1.35 \text{ m}^2 \cdot \text{K/W}$



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0001-104.



Indoor Air Quality

- Protisol® products are classed B.

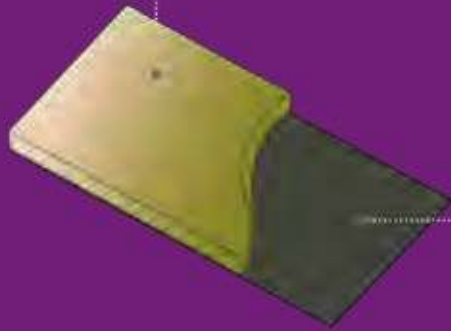
AT A GLANCE

Module size (mm) and packaging

Width	600	600	1200	1200
Length	1200	1200	1200	1200
Thickness	50	50	30	50
Density	50 kg/m³	70 kg/m³	70 kg/m³	70 kg/m³
Panels/pack	12	8	8	4
m²/pack	8,64	5,76	11,52	5,76
Packs/pallet	8	12	10	12
Service class	B	B	B	B

Protisol® panels packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

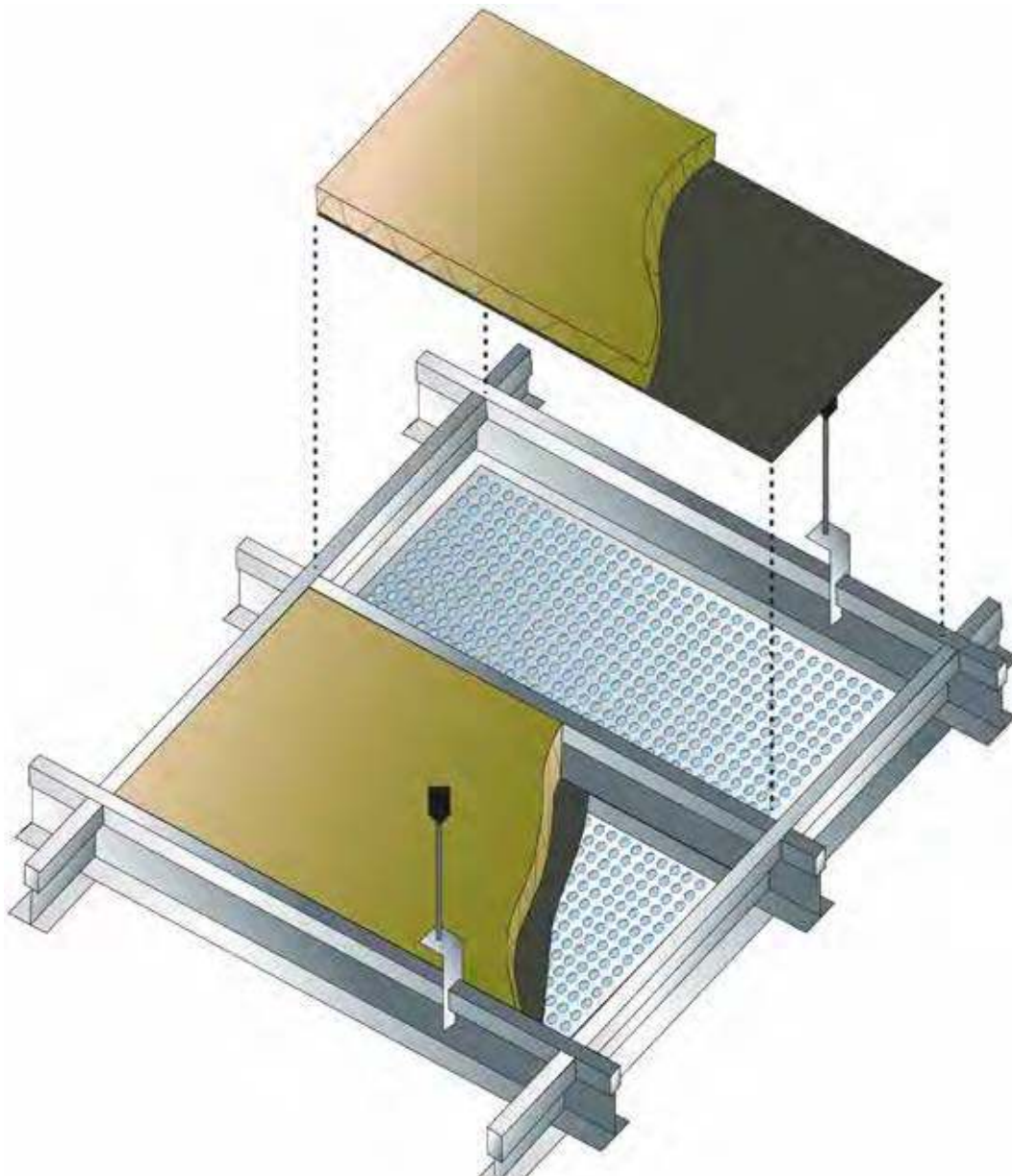
Stone wool panel,
30 mm thick



Black glass fiber veil

KEY FEATURES

- Suitable for integration into metal ceilings, linear strips and panels
- Acoustic absorption: $\alpha_w = 1$
- Reaction to fire: A1
- Black glass fiber veil that helps reduce dust from spreading inside the area

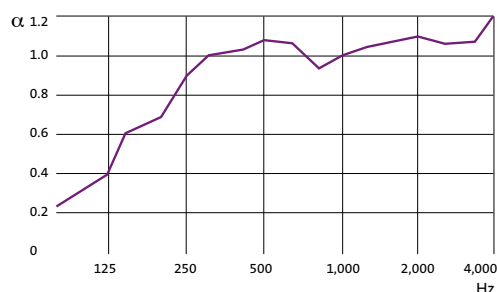


Eurobac®

- > 30 mm rigid stone wool panel.
- > Covered with a black glass veil.



Acoustic absorption



- $\alpha_w = 1$: class A / NRC = 1



Fire reaction

- According to EN 13501-1: Euroclass A1.



Humidity performance

- Stone wool is naturally non-hydrophilic.



Environment and health

For filling panels :

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled.
- For projects based on LEED®, BREEAM® and HQE™ Green Building certifications, EPD (Environmental Product Declarations) are available. Contact us.
- Eurocoustic is certified to ISO 14001: 2015 «Environmental Management Systems».

Healthcare

- Eurocoustic stone wool is certified by EUCB (European Certification Board for mineral wool product).
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: .



Indoor Air Quality

- Eurobac® products are classed C.

AT A GLANCE

Module size (mm) and packaging

Width	300	600
Length	1200	1200
Thickness	30	30
Panels/pack	320	20
m²/pack	115,20	14,40
Packs/pallet	1	8
Service class	C	B

Panels of 300 x 1200 mm are sold by pallets.

Eurobac® panels packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

Our assistance

Eurocoustic supports you in your projects on a daily basis through a Customer Service, which is entirely at your disposal, an unrivaled charter of logistics services and a technical department attuned to your needs.

CUSTOMER SERVICE

Our sales assistants are attuned to your needs and support you on a daily basis to ensure that your order runs smoothly, from reception through to delivery and billing.

They are at your service, providing you with concrete solutions to your requirements, assist you in your choices and advise you on other services if need be.

TECHNICAL SUPPORT

Our technical support service is available to offer quick and reliable solutions in response to any technical issues encountered during your projects. Check our “Contact” page to find out who your dedicated contact is.

➤ **For more information, consult your sales assistant. Check our web site at www.eurocoustic.com to find out who your dedicated contact is.**





Our assistance

CLASSES OF SERVICE BY PRODUCT

Service class	Size (mm)	Product
A	300x1200	Eurobaffle® white
	600X600/600x1200	Minerval® A 12, A 15
		Tonga® A22, A40/Tonga® Therm A 80
		Tonga® E 20
		Alizé®
	600x600	Minerval® E 15
		Tonga® Ultra Clean A 22, A 40, HP A 22
		Area® A 15
		Ermes® E 15
		Clini'Safe® A 15, E 15
	600x1200	Eurobaffle® white thick 44 mm
	1000x1200	Acoustipan®
		Acoustipan®
	1000x1500	Acoustished® A 40, A 80
Acoustished® CV A 40, A 80		
Acoustished® Mural A 40, A 80		
B	600x600	Acoustichoc® A 22
	600x1200	Tonga® Ultra Clean A 22, A 40
		Area® A 15
		Acoustichoc® A 22, A 40
		Eurobaffle® white thick 80 mm
		Protisol®
		Eurobac®
	600x1500/1800/2000/2400	Tonga® A 22, A 40
	1000x1500	Acoustichoc® A 40
	1200x1200	Tonga® A 22, A 40
Protisol®		
C	300x1200	Eurobaffle® EuroColors, EuroDesign and Boreal
	600x600	Eurobac®
		MyConcept A 22
	600x1200	Minerval® E 15
		Tonga® Ultra Clean HP A 22, Tonga® Ultra Clean E 20
		MyConcept A22
		Ermes® E 15
		Clini'Safe® A 15, E 15
		Eurobaffle® EuroColors, EuroDesign and Boreal
		Eurolene®
		Tonga® A 22
	600x1720	
	990x1310/990x1370/990x1985	Acoustished® A 40, A 80/Acoustished® CV A 40, A 80
1200x1200	Insula®	
1200x2400	Insula®	

OUR BIM EXPERTISE

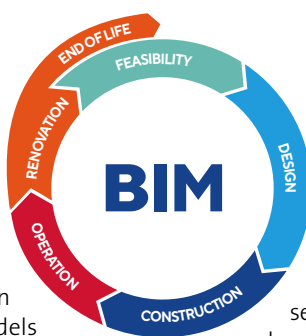
BIM (Building Information Modeling) is a new collaborative work method for all building companies.

BIM consolidates all the physical and functional characteristics of a project in a digital workspace. It also dynamically models the building project throughout its life cycle, from design to renovation or demolition, including its entire operational phase.

At Eurocoustic, we know how important it is to optimize processes, data and tools in order to efficiently manage the design, construction and operation of your buildings.

That is why we have embraced the ongoing digital revolution in the building industry to offer you easy access to these new work methods based on BIM and digital scale models.

Starting a project with the aid of BIM optimizes cost and time management, collaboration and information sharing between on-site stakeholders to streamline project management.



Our BIM objects

Eurocoustic offers designers the BIM objects for our product lines. The reliability of the information and data is guaranteed by Saint-Gobain. Furthermore, users can access a series of fact sheets, characteristics and technical documents concerning these products. Finally, the Saint-Gobain library is also a discussion forum where designers and users can easily be put in touch with dedicated Saint-Gobain brand contacts to answer their product-related questions.

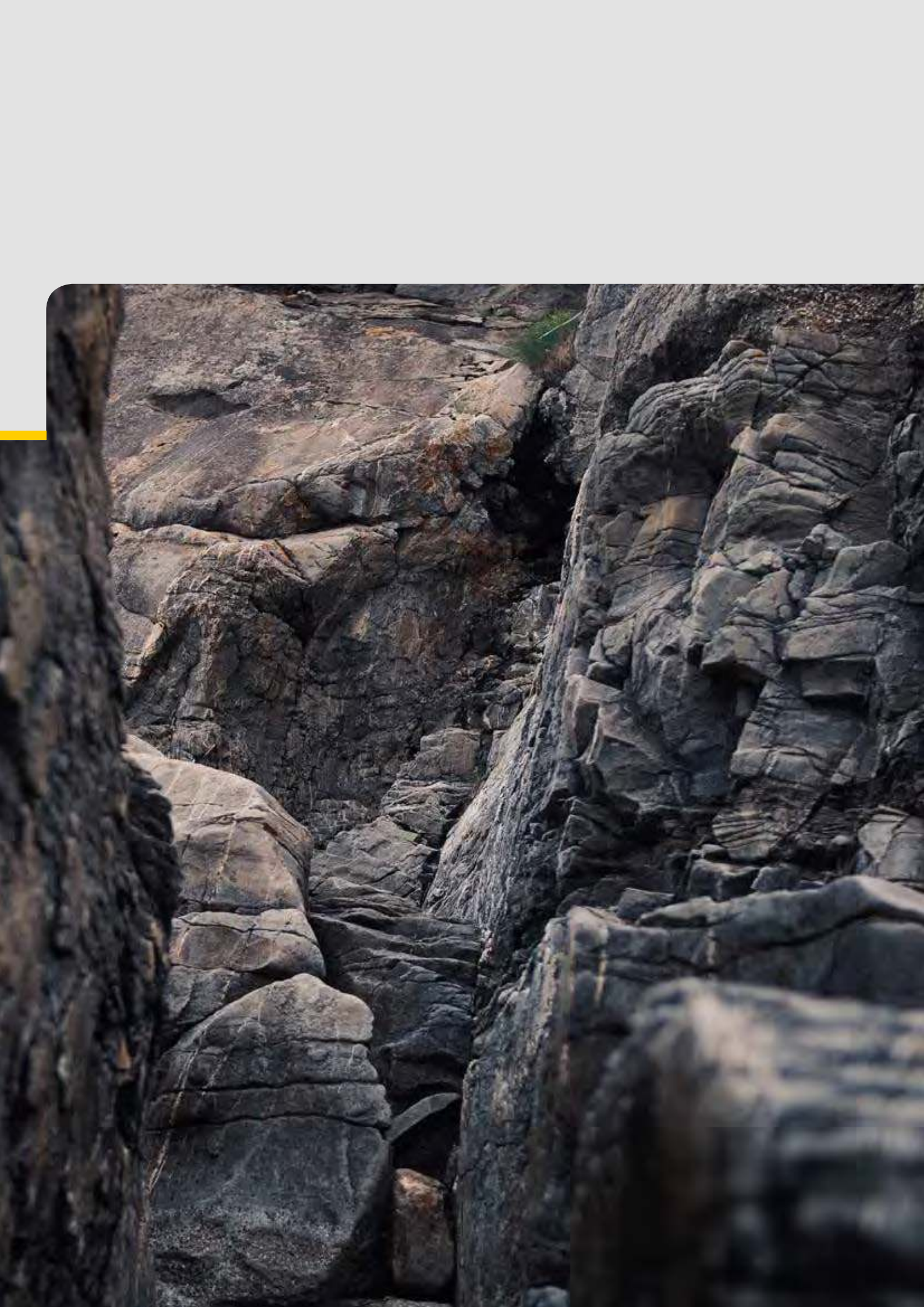
The BIM objects can be downloaded from the Saint-Gobain/Eurocoustic BIM library.



► Watch an example of our support on our YouTube channel: Ajaccio hospital



Scale model of the Notre-Dame de la Miséricorde hospital - Ajaccio © AART FARAH Associates/INSO



Stone wool, a material with multiple qualities

AVAILABLE AND RECYCLABLE

Our ceilings are made from basalt (an igneous volcanic rock formed from rapidly cooling lava). Basalt is a raw material that can be found in abundance in the natural environment. The stone wool we use is fully recyclable, and the vast majority of our production waste is recycled on our production site.

HEALTHY



Saint-Gobain Eurocoustic stone wool is made from non-classified fibers and certified by EUCEB (EUropean CErtification Board for mineral wool products - www.euceb.org). Products are made with fibers conforming to Note Q of European Directive 97/69/EC and EC Regulation 1272/2008.

The EUCEB certificate is available on the BCCA site. BCCA (the independent third-party organization) warrants that exoneration tests have been carried out in accordance with European protocols, that manufacturers have implemented control procedures during their production processes and that third parties check and approve the results.

INSULATING

Good thermal insulation helps maintain a steady temperature inside buildings, irrespective of the outside temperature.

Not only is it necessary, but it also helps improve the quality of life for occupants and reduce energy use, thereby protecting the environment.

Stone wool is an inherently excellent thermal insulator with a thermal conductivity value between 0.033 and 0.040 watts per meter-kelvin (W/m.K). Stone wool is used in buildings with the highest thermal performance. When used as insulation, stone wool can save more than 100 times the energy used to manufacture it. It also reduces greenhouse gas emissions from the buildings in which it has been fitted.



Our Acoustished®, Acoustished® CV and Tonga® Therm ranges are certified by ACERMI (French certification organization for insulation materials). Certification guarantees the thermal performance of our products by providing reliable and verified information.

It meets current French thermal regulation requirements (RT 2012), thereby ensuring that our clients are entitled to tax deductions on their thermal insulation expenditure. For more information, refer to our data sheets. Our ACERMI certificates are also available at

www.acermi.com/en/certified-insulation-products/

ACOUSTIC

Stone wool's structure helps reduce unwanted noise, especially airborne noise.

STABLE IN HUMID ENVIRONMENTS

The stone wool produced by Eurocoustic is naturally non-hydrophilic, meaning that it is resistant to water and humidity. Stone wool does not absorb water and remains perfectly flat and stable in humid environments.

SAFE

Eurocoustic stone wool boasts one of the highest performance levels in terms of passive fire protection: it does not fuel the fire or spread the flames. Its properties mean that it is a non-combustible material with the ability to withstand temperatures in excess of 1,000°C without generating any toxic fumes. Stone wool is particularly used in buildings to improve fire protection performance.

Saint-Gobain Eurocoustic: a responsible company

CERTIFICATIONS

ISO 9001: 2015 “Quality Management Systems” certification.

Saint-Gobain Eurocoustic provides products that meet applicable statutory and regulatory requirements. The standard on quality management systems aims to enhance customer satisfaction through the effective application of the system, including the assurance of consistently providing conforming products.



ISO 14001: 2015 “Environmental Management Systems” certification.

This certification bears testament to the company's determination to set up an organization that continually reduces the environmental impacts of its activities, products and services. In addition to complying with statutory and environmental requirements, our actions are mainly focused on managing our waste (reducing the amount, recovery and recycling) and on reducing use of energy, water and raw materials.

Our achievements in recent years:

- Energy consumption/ton reduced by 30%
- Water consumption reduced by 40%
- Quantity of waste reduced by 50%

ISO 50001: 2011 “Energy Management Systems” certification

This certification enables the company to continually improve its energy performance, which includes energy efficiency, use and consumption.

With this aim in mind, we are committed to meeting a specific set of requirements for designing, implementing, maintaining and improving our energy management system.

- All Eurocoustic stone wool ceilings are manufactured at our site in Genouillac (23), France.



CE MARKING

CE marking, introduced for suspended ceilings in Europe on July 1, 2007, represents:

- A passport for their free circulation within the European Union.
- A commitment to comply with the requirements and test methods specified in the EN 13964 standard on suspended ceilings.

Since July 1, 2013, construction products in Europe covered by a harmonized standard, or conforming with their European technical evaluation, must have a declaration of performance (DoP). **The DoPs for Saint-Gobain Eurocoustic products can be downloaded from the "Learning Center" section on our website at www.eurocoustic.com**, and their number is specified on all product data sheets and packaging.

PRODUCT LIFE CYCLE ASSESSMENT

Product life cycle assessment aims to assess the impacts that a product will have on natural resources and the environment throughout its life cycle.

All steps in the product life cycle are taken into consideration, from extraction of natural resources to end of life and the reuse of the waste it produces.

In accordance with the ISO 14040 series of standards, we have analyzed the health and safety impact of our products using the life cycle assessment methodology.

The results for each of our products are published in Environmental & Product Declarations (EPDs), which are established according to EN 15804. They can be downloaded from the www.inies.fr database.



➤ To find out more about Eurocoustic's approach, consult the dedicated brochure

Eurocoustic and building environmental certifications

Greater awareness of environmental issues has led to a new form of construction: sustainable construction. To guarantee the quality of new builds, certifications are developed with versions different according to the type of building (residential or business) and construction (new or refurbishment), country, climate, culture and regulations.

Some of the most common environmental certifications include BREEAM® (United Kingdom), LEED® (United States), NF HQE™ (France), VERDE® (Spain), CASBEE® (Japan) and DGNB (Germany). Their main purpose is to promote more responsible construction practices that protect the environment and improve the well-being and health of their occupants.

These environmental certifications do not certify a specific product but rather a building in its entirety. The products used in its construction play a part in achieving certification of the building.



LEED (Leadership in Energy and Environmental Design) is a system for the evaluation of the environmental quality of buildings developed by the US Green Building Council in the United States in 1998.



The Building Research Establishment Environmental Assessment Method (BREEAM®) is a British certification standard developed by the Building Research Establishment in 1990.



The HQE® standard aims to limit the environmental impacts of construction or rehabilitation of a building while ensuring healthy and comfortable living conditions inside the building throughout its life cycle, namely from construction/rehabilitation to demolition or end of life.



➤ To find out more about environmental certifications, consult our dedicated brochure (in French only)

IAQ: Indoor air quality, a major challenge

We spend the majority of our time inside buildings. The air we breathe has a direct impact on our quality of life and our health, especially amongst vulnerable populations, such as children and the elderly. Healthy air prevents the development of chronic diseases.

In order to control the quality of indoor air, new decoration and construction products must have a clear and legible label specifying their volatile organic compound (VOC) emissions as required by the decree of March 23, 2011 and the ministerial order of April 19, 2011 amended by the ministerial order of February 20, 2012. Emission tests are performed according to ISO 16000-9 (emission test chamber method) with an analysis of formaldehyde (ISO 16000-3) and of volatile organic compounds (ISO 16000-6). The level of emissions from such products is indicated by a class, ranging from A+ (very low) to C (high), based on the same principle already used for household appliances and vehicles.



Eurocoustic products are labeled in accordance with regulatory texts on indoor air quality (IAQ) and our ceilings are rated A+ or A. Furthermore, they are rated E1, the best possible class, for formaldehyde release according to standard EN 717-1&2.



The Acoustished® CV range has obtained the Excell Zone Verte quality label for its superior indoor air quality. This label not only checks VOC (volatile organic compounds) emissions, but also other pollutants (pesticides, phthalates, Bisphenol A, etc.) in order to anticipate future regulations. The Acoustished® CV range can therefore be used in rooms with stringent emission requirements, such as food processing facilities and wineries.



Acoustics: a science that promotes wellbeing

A good balance between acoustic absorption and lateral sound insulation has significant benefits when it comes to confidentiality, intelligibility and sound quality. The Eurocoustic range always offers a solution adapted to your situation, based on your needs and the space in question.

SOUND

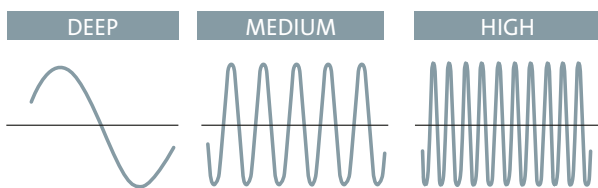
Acoustics is the **science of sound, including its generation, propagation and reception**. By extension, acoustics also refers to all the techniques aimed at improving the quality of sound diffusion in every room.

Sound is a vibration that is characterized by its frequency (low or high) **and pressure level** (strong or weak).

FREQUENCY

Frequency is expressed in Hertz (Hz) and denotes the number of vibrations per second. **It can be used to distinguish between low, medium and high-pitched sounds**. The human ear is capable of detecting sound at frequencies between 20 and 20,000 Hz.

Frequency expresses the number of vibrations per second.



SOUND PRESSURE LEVEL (DECIBEL dB)

The decibel is a logarithmic measure of the sound pressure level.

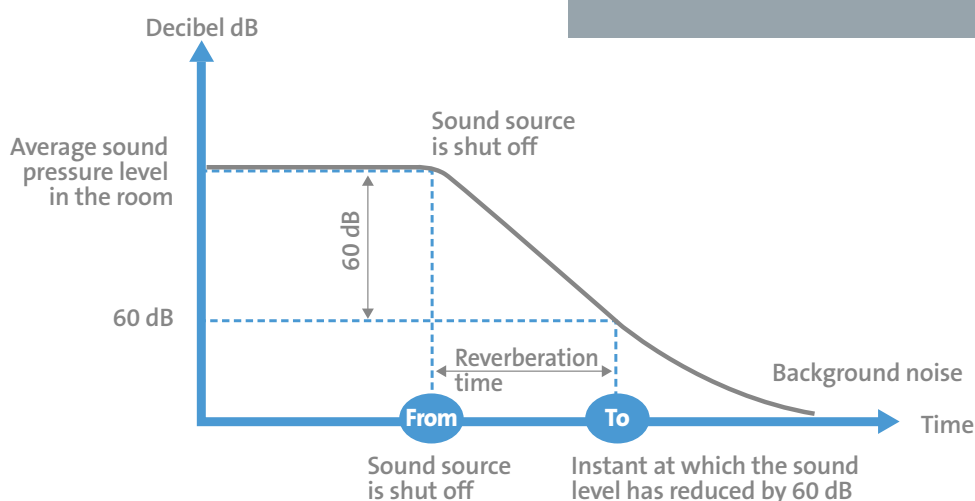
1 radio	60 dB
2 radios	63 dB
4 radios	66 dB
10,000 radios	100 dB

Type of noise	dB	Subjective impression
	120	Pain threshold
	100	Very painful
	90	Troublesome
	70	Normal
	50	Quiet
	30	Very quiet
	0	Perception threshold

REVERBERATION TIME

Reverberation time is a physical criterion that defines a room's acoustic quality. It refers to the length of time required for a sound to drop by 60 dB from its initial level. It is influenced by several factors, including the size and shape of the room, and the quantity, quality and size of the acoustic absorption materials used.

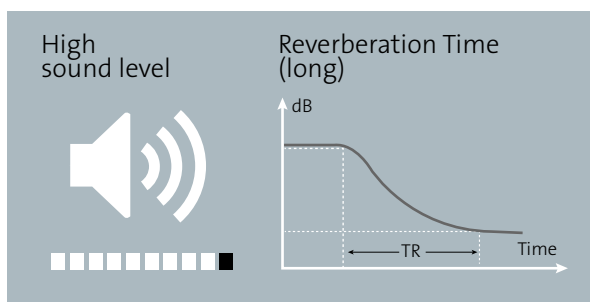
- One of the characteristics of a room's acoustic behavior is its reverberation time. This is expressed in seconds and depends on the size and layout of the room. It can be changed by using sound-absorbent materials and/or elements.
- If uncontrolled, a high reverberation time can produce the cocktail party effect and reduce sound quality, especially in venues such as concert halls or restaurants.



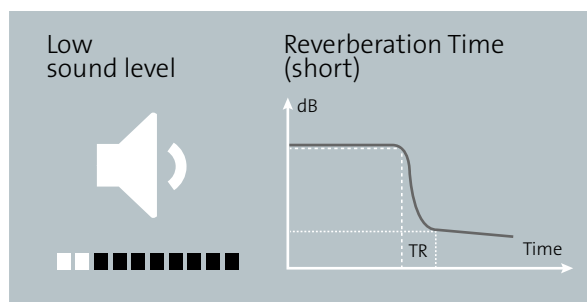
IMPROVING COMFORT WITH ACOUSTIC CORRECTION

Acoustic correction is designed to ensure that the acoustic quality of a room is suitable for its intended purpose. It can be used to improve the sound quality of a room (such as a classroom or conference hall) for superior comfort or reduce the sound level of a noisy room to make it more tolerable.

➤ Without acoustic correction



➤ With acoustic correction

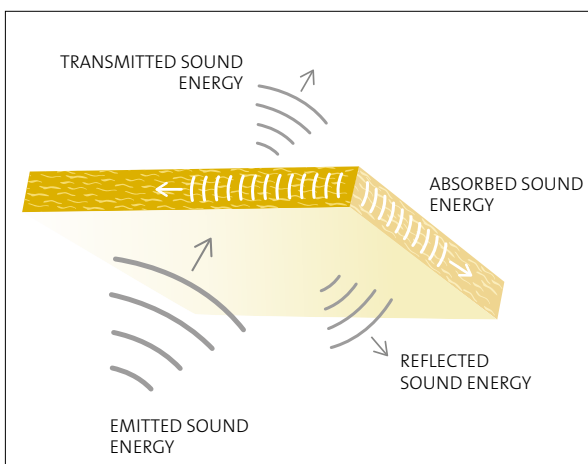


Acoustic comfort: balancing absorption and insulation

Depending on their intended purpose, not all rooms have the same acoustic correction requirements. Whether a concert hall, classroom, open-plan office, individual office, hotel room or hospital room, the ideal acoustic comfort for users depends on the required benefits, such as superlative sound quality, a lower sound level in a noisy room or soundproofed rooms.

THE ACOUSTIC ABSORPTION PRINCIPLE

The Eurocoustic range of suspended ceilings absorbs sound, which helps reduce resonance, control the room's sound quality and improve acoustic comfort for occupants.

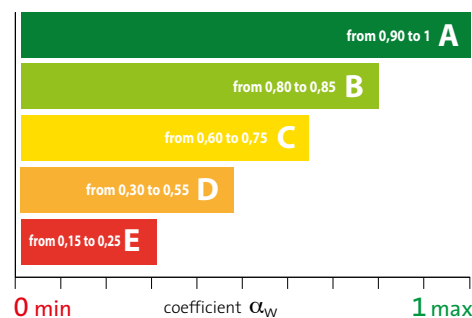


The sound energy hitting a surface is split into transmitted energy, reflected energy and absorbed energy. The proportions of absorbed and reflected energy can be influenced based on the nature of the surface.

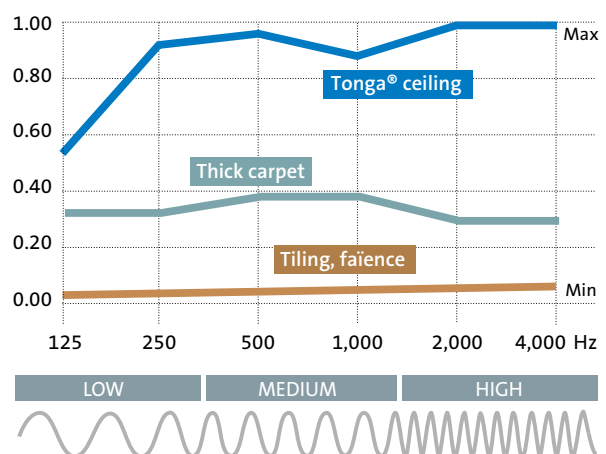
A HIGH ABSORPTION COEFFICIENT...

The higher a material's absorption coefficient (close to 1), the greater its contribution to the room's acoustic comfort.

ACOUSTIC ABSORPTION CLASS



α_w = Unique value characterizing a material's acoustic absorption performance at frequencies from 125 to 4,000 Hz for 1 m².
If $\alpha_w = 0$ The material reflects all the energy it receives.
If $\alpha_w = 1$ The material absorbs all the energy it receives.



... HELPS CONTROL REVERBERATION

Reverberation time is a physical criterion that defines a room's acoustic quality. The longer the reverberation time, the more troublesome the echo and the noisier the room. Using materials with high acoustic absorption levels reduces and controls the reverberation time.

... AND IMPROVE COMFORT

Acoustic comfort criteria	Absorption level	α_w	Class
Maximum acoustic comfort, reduction in sound level, optimal reverberation, sound quality	Maximum absorption	1.00	A
Effective acoustic comfort, controlled reverberation, intelligible speech	Reinforced absorption	0.90 to 0.95	
Adapted acoustic comfort, limited reverberation	High absorption	0.80 to 0.85	B

LATERAL SOUND INSULATION

■ DEFINITION

Lateral sound insulation is the acoustic insulation between two adjacent rooms. A modular suspended ceiling can be used to achieve this type of acoustic insulation.

The lateral sound insulation performance of a ceiling is denoted by means of a unique index: $D_{n,f,w}$, which is measured in the laboratory and expressed in dB.

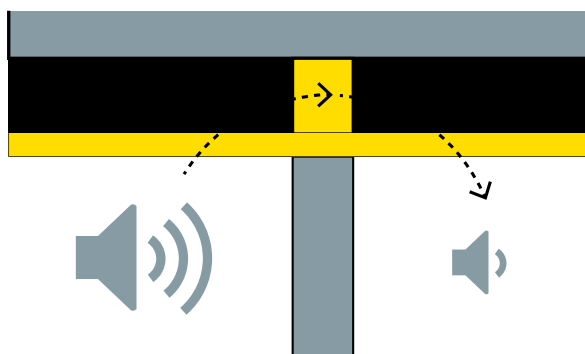
The higher a ceiling's $D_{n,f,w}$, the greater the acoustic insulation between the two rooms, which equates to higher comfort and privacy.

The following conditions must be satisfied for effective lateral sound insulation:

- The interfaces between the partition and the floor/ceiling must be airtight, such as by fitting an Acoustipan® acoustic barrier in the plenum. Using an Acoustipan® acoustic barrier in the plenum directly above the partitions can considerably reduce lateral transmissions through the ceiling: for a ceiling comprising Tonga® 40 mm tiles, $D_{n,c,w}$ (C; Ctr) = 28 (-2; -6) dB, and for a ceiling comprising Tonga® 40 mm tiles with Acoustipan®, $D_{n,c,w}$ (C; Ctr) = 39 (-2; -7) dB.

- There are no accessories in the ceiling that are likely to degrade its performance, such as light fittings and air conditioning vents.

Reference values	
35 to 40 dB	Conversations can be heard but are difficult to understand
40 to 45 dB	Conversations can be heard but cannot be understood
45 to 50 dB	Conversations are inaudible



Fire resistance

The fire resistance rating defines the time during which construction elements can perform their intended function despite the action of a fire.

FIRE RESISTANCE

Fire regulations: Eurocoustic ceilings satisfy the requirements of Section CO13 of the French fire regulations (June 25, 1980) for public-access buildings and meet the conditions of the second paragraph in Section CO12 (§1) (see below).

The French Regulation of March 22, 2004, on the fire resistance of structural and construction elements and products (Ministry of the Interior) specifies the use of the new European classifications in French fire regulations.

FS: Fire Stability - Tensile strength. Structural and construction elements and products, whose classification contains the symbol R (expressed in minutes), may be used when fire stability performance is required.

FR: Flame resistance - Impermeability to flames and hot gases and, if applicable, tensile strength. Structural and construction elements and products, whose classification contains the symbol R or RE (expressed in minutes), may be used when flame resistance performance is required.

FB: Fire break - Impermeability to flames and hot gases, thermal insulation and, if applicable, tensile strength. Structural and construction elements and products, whose classification contains the symbol E and I or RE and I (expressed in minutes), may be used when fire break performance is required.

French regulatory requirements	Accepted European classes
FS	R
FR	E* or RE if load-bearing
FB	EI* or REI if load-bearing

* with equivalences for degrees in minutes, hours and fractions of an hour

LEGISLATION

■ SECTION CO 13 - 3

of the Regulation of June 25, 1980, as amended and supplemented, on fire safety in public-access buildings. General regulations.

Special cases for fire resistance of specific structural elements.

The fire stability rating for the main structural elements of a roof may be only 30 minutes if the following conditions are met:

- The venue occupies the last level of the building or is located on the ground floor;
- The roof space is not accessible to the public;
- The collapse of the roof does not threaten to cause the collapse of the rest of the building structure.

However, such elements are not subject to any fire stability requirements when all of the following requirements are satisfied:

- The conditions set forth in the paragraph above are met;
- The materials used are non-combustible, made from solid glue laminated timber or materials considered to be equivalent by CECMI (fire risk assessment board for construction materials);
- The roof structure can be seen from the floor of the room occupying the last level or is monitored by an automatic detection system or protected by a water-based automatic fire suppression system conforming to French standards or isolated by a protective barrier offering 30-minute fire stability performance and which satisfies the conditions of the second paragraph of Section CO 12 - 1.

■ SECTION CO 12 - 1

Suspended ceilings can be taken into account when calculating the fire resistance of the upper adjoining floors where all the following conditions are met:

- They define plenums with an average heat potential less than 25 MJ/m² per unit area, subdivided according to the provisions of Section CO 26; electrical ducts are not included in the calculation;
- It can be assured that their constituent components perform as intended during a fire. This requirement must be checked against the conditions of Exhibit II of the Regulation of April 21, 1983.
- When a post and its assemblies require protection to ensure fire resistance, such protection must also be provided in the penetration into the plenum.

The fire resistance rating of Eurocoustic ceilings										
Products	Thicknesses (mm)	Module dimensions (mm)	Insulation	REI ⁽¹⁾			QUICK-LOCK® grid T 24 mm	Beam center spacing	Hanger center spacing	Minimum plenum height
				Timber	Concrete	Steel				
Tonga® E, Tonga® Ultra Clean E,	20	600x600	/	20	30	30	HOOK-ON CLIP-ON	1200 mm	1200 mm	300 mm
			160 mm Eurolene® 603	30	30	30			900 mm	
			160 mm Eurolene® 603 + 200 mm IBR ⁽²⁾	30	30	30				
Tonga® A, Tonga® Ultra Clean A, Tonga® Ultra Clean HP A	22	600x600	/	20	30	30	HOOK-ON CLIP-ON	1200 mm	1200 mm	300 mm
			160 mm Eurolene® 603	30	30	30			900 mm	
Tonga® A, Tonga® Ultra Clean A, Alizé®, Acoustished® CV	40	600x600	/	20	30	30	HOOK-ON CLIP-ON	1200 mm	1200 mm	300 mm
			160 mm Eurolene® 603	30	30	30			900 mm	
			160 mm Eurolene® 603 + 200 mm IBR ⁽²⁾	30	30	30				

⁽¹⁾ For details of the materials constituting the beams, joists and the supporting floor and their classification, refer to the test reports

⁽²⁾ Bare insulation or with an aluminum vapor barrier

Note: Installation must conform to the requirements of the report, Section 6.10 of the NF P 68-203-1 and 2 standards, and the DTU 58.1 code of practice of December 2008.

Not dismountable from the ceiling. Height of the plenum ≥ height of the test sample. The thermal insulation must be identical to the test sample.

Fire-resistant Eurocoustic ceilings	
Quantity lm/m ²	Module 600x600 Beam center spacing of 1200 mm
Primary beam	0.84
Cross tee 1200 mm	1.67
Cross tee 600 mm	0.84
U hangers/m ² every 900 mm or U hangers/m ² every 1200 mm	1 or 0.7
Clips	5.6

Fire reaction

Fire reaction: a key criteria to guarantee the safety of occupants

EUROCLASS: EUROPEAN FIRE SAFETY CLASSES

The CE marking for suspended ceilings defines a new classification for fire reaction in accordance with NF EN 13501-1: Euroclass standard.

According to the French Regulation of November 21, 2002, on the fire reaction performance of construction products and interior fittings, the following table specifies the permissible Euroclasses (determined according to EN 13501-1) in relation to the M categories defined in the fire safety regulations.

Eurocoustic ceilings offer the highest fire reaction performance: **A1** or **A2**, depending on the finish.

A product's fire reaction classifies its contribution to a fire. The classification is divided into three parts:

1. Fire growth

Defines whether or not a material contributes to the spread of the fire through its combustibility (**A** = non-combustible and **F** = highly combustible).

A B C D E F →

2. Smoke development (s)

(**s1** = no smoke and **s3** = heavy smoke generation).

s1 s2 s3 →

3. Burning droplets (d for droplets)

d0 means that there are no droplets during a fire, while **d2** means a large number of droplets.

d0 d1 d2 →

Classes according to EN 13501-1	Euroclass		Requirements
No contribution, even in a fully developed fire. Should automatically satisfy lower classes.	A1	-	non-combustible
Class B+: low contribution to fire spread and growth in case of a highly developed fire.	A2	s1	M0
		s1 s2 s3	M1
		s1 s2 s3	M1
Same as C, but with stricter criteria.	B	s1 s2 s3	M1
Same as D, but with stricter criteria.	C	s1 ^(2, 3) s2 ⁽²⁾ s3 ⁽³⁾	M2
Withstands a small flame for a longer period. Capable of withstanding the thermal attack from an insulated burning object with slow and limited heat emission.	D	s1 ⁽²⁾ s2 s3	M3
		s1 ⁽²⁾ s2 s3	M4 (no droplets)
All classes ⁽²⁾ other than E-d2 and F.			M4

(1) Performance level d1 is only accepted for products that are not hot melt under test conditions.

(2) Performance level s1 obviates the need to provide the information specified by the amended French Regulation of November 4, 1975, relating to the use of certain materials and products in public-access buildings and the related Instruction of December 1, 1976.

(3) Permitted for M1 if non-substantial according to the definition in Annex 1.

➤ Smoked development

➤ Burning droplets



Other performance indicators

THERMAL INSULATION

■ THERMAL CONDUCTIVITY

Thermal conductivity (λ) describes the ability of a material to conduct heat. The closer this value is to 0, the better the material's insulating performance. It is measured in W/(m.K).

The following table compares the thermal conductivity of the stone wool used in our suspended ceiling range against the materials found in the other ceiling solutions on the market:

Thermal conductivity values provided for guidance only

Eurocoustic stone wool	0.035 W/m.K
Wet felt	0.050 - 0.060 W/m.K
Plaster	0.22 - 0.52 W/m.K
Concrete	1.30 - 2.2 W/m.K

■ THERMAL RESISTANCE

Thermal resistance (R) describes the ability of a material to resist the flow of heat. The higher the R value, the greater the material's insulating properties. It is measured in m².K/W. It is calculated using the material's thermal conductivity (λ) and thickness (t): $R = t/\lambda$. We have compared the thermal resistance of two Tonga® tiles against other ceiling solutions on the market:

Thermal resistance values provided for guidance only

Tonga® A40 (t = 38 mm)	1.10 m ² .K/W
Tonga® Therm A80 (t = 80 mm)	2.20 m ² .K/W
Plaster (t = 13 mm)	0.04 m ² .K/W
Wet felt (t = 17 mm)	0.25 m ² .K/W

■ OUR CERTIFIED SUSPENDED CEILINGS

Our Acoustished®, Acoustished® CV and Tonga® Therm ranges are certified by ACERMI (French certification organization for insulation materials). This certification guarantees the thermal performance of our products by providing reliable and verified information. It meets current French thermal regulation requirements (RT 2012), thereby ensuring that our clients are entitled to tax deductions on their thermal insulation expenditure.

For more information, refer to our data sheets. Our ACERMI certificates are also available at <http://www.acermi.com>.

LIGHT

The amount of light in a room is also important for occupants' comfort. The brighter and lighter the room, the more it will be comfortable for the user. Eurocoustic ceilings, such as the Tonga® and Acoustished® ranges, boast excellent light performance:

- **Light reflection:** the higher the percentage, the more the product will reflect light without absorbing it. White Tonga® and Acoustished® ceilings offer excellent light reflection (> 87%).
- **Light diffusion:** the higher the percentage, the more the product will diffuse light in the room. White Tonga® and Acoustished® ceilings diffuse 100% of the light (the best possible performance).
- **Gloss:** the lower the percentage, the more matt the product's finish, which improves diffusion of the reflected light and prevents the "glare" effect, which is detrimental to visual comfort. The Tonga® and Acoustished® ceilings come with a matt finish (gloss level of 0.75% at an angle of 85° according to NF EN ISO 2813). Combined with Quick-Lock® Ultramatt black grids, they improve visual comfort for the people in the room.

HUMIDITY RESISTANCE

Humidity resistance refers to the ability of a ceiling tile to maintain its structural stability and properties in rooms subject to high humidity levels.

All the ceilings in the Eurocoustic range offer excellent humidity resistance with no sagging regardless of the humidity level.

Our range of Corro Plus grids EF and accessories is used to install ceilings in areas with high humidity levels and also in certain corrosive environments.

RESISTANCE TO AIR AND WATER VAPOR FLOWS

In industrial premises and storage facilities, ceilings are sometimes fitted beneath cold roofs, meaning that they are subject to the flow of air and water vapor.

With this type of roof, there may be a movement of air and water vapor created by the difference in temperature between the plenum and the room. Any dust and small air particles passing through the ceiling tiles are likely to build up and leave marks on the visible side of the tiles (filter effect). Water vapor may sometimes condense on the back of the tiles on contact with the cold air in the plenum (condensation).

The solution involves using a vapor barrier to impede the flow of air and vapor. The ceilings in the Acoustished® CV range feature aluminum sheet technology to prevent the flow of air and water vapor.

CLEANABILITY

In certain types of room, suspended ceilings are cleaned at varying intervals, involving different cleaning methods for various types of tasks.

The ceilings in the Eurocoustic range do not retain dust, which makes them easier to clean and extends their service life. They can be cleaned using a light brush or vacuum cleaner.

The Tonga® Ultra Clean range can also be cleaned with a wet sponge (with or without detergent), dry/wet steam + dry cloth. As such, it is suited to rooms with stringent hygiene and cleanliness requirements, including kitchens, collective dining areas and laboratories.

The Tonga® Ultra Clean HP range is also compatible with high-pressure cleaning.

Finally, the ceilings in the Clini'Safe® range resist the most widely used disinfectants in hospitals (with a base of hydrogen peroxide, chlorine dioxide and glutaraldehyde).

SANITARY PERFORMANCE

Lastly, in rooms with exacting hygiene requirements (very frequently cleaned) or subject to specific health regulations such as the NF S90-351 standard, suspended ceilings must satisfy even more stringent health criteria.

The Tonga® Ultra Clean range prevents fungal growth (Degree 0 according to ISO 846) and keeps airborne particles under control (ISO 4 rating according to ISO 14644-1).

The Clini'Safe® range meets criteria relating to the control of airborne contamination (French health standard NF S90-351: 2013), meaning that it can be used in all healthcare facility areas.

NF S90-351: 2013, Control of Airborne Contamination:

Zones	Control of airborne particles	Kinetics of particle decontamination	Microbiological cleanliness
4	ISO 5	CP5	M1
3	ISO 7	CP10	M10
2	ISO 8	CP20	M100

MECHANICAL STRENGTH

According to EN 13964 - Annex F, mechanical strength is expressed according to two criteria:

- The maximum atmospheric conditions of exposure, ranging from classes A to D:

Class	Exposure conditions
A	Humidity ≤ 70% Temperature ≤ 25°C
B	Humidity ≤ 90% Temperature ≤ 30°C
C	Humidity ≤ 95% Temperature ≤ 30°C + risk of condensation
D	Harsher conditions than above

- The type of load is expressed for a distributed load in N/m² (10 N/m² = 1 kg/m²).

All Eurocoustic ceilings have been tested and have excellent mechanical strength, in particular the Acoustished® and Acoustished® CV ranges for large rooms, and the Tonga® Therm range.

This performance means that additional insulation solutions, such as Eurolene® panels, can be fitted above the tiles.

Performance summary

PRODUCTS	PANEL THICKNESS (in mm)	EDGE	MODULE DIMENSIONS (in mm)	α_w
INEXPENSIVE AND EFFICIENT				
Minerval®	12	A edge	600x600/1200x600	0.90
	15	A edge		0.95
		E edge		0.95
BETTER, SAFER, EASIER				
Tonga®	20	E edge	600x600/1200x600	0.95
	22	A edge	600x600/1200/1500/1720/1800/ 2000/2400/1200x1200	1.00
	40	A edge		1.00
Tonga® Therm	77	A edge	600x600/1200x600	1.00
Tonga® Ultra Clean	20	E edge	600x600/1200x600	0.90
	22	A edge	600x600/1200x600/1200x1200	1.00
	40	A edge		1.00
Tonga® Ultra Clean HP	22	A edge	600x600/1200x600	0.95
Area®	15	A edge	600x600/1200x600	0.90
Ermes®	15	E edge	600x600/1200x600	0.90
SPECIFIC SOLUTIONS				
MyConcept	22	A edge	600x600/1200x600	0.95
HEALTH				
Clini'Safe®	15	A edge	600x600/1200x600	0.90
	15	E edge		0.90
IMPACT RESISTANCE				
Acoustichoc®	22	A edge	600x600/1200x600/1500x1000	1.00
	40	A edge	1200x600/1500x1000	1.00
Acoustichoc® Impact 15	22	A edge	600x600/1200x600	1.00
Acoustichoc® Impact 30	40	A edge	1200x600/1500x1000	1.00
BAFFLES & ISLANDS				
Eurobaffle® 1200x600	44	A edge	1200x600	–
Eurobaffle® 1200x300	44	A edge	1200x300	–
Eurobaffle® 1200x600	80	A edge	1200x600	–
Insula®	-	-	1200x1200/1200x2400	–
LATERAL SOUND INSULATION				
Alizé®	40	A edge	600x600/1200x600	0.55
	80	A edge		0.60
Acoustipan®	80	A edge	1200x600/1200x1000	–
LARGE ROOMS/WARM ROOFS				
Acoustished®	38	A edge	1000x1500	1.00
	77	A edge	990x1310/1370/1985	1.00
LARGE ROOMS/COLD ROOFS				
Acoustished® CV	38	A edge	1000x1500	0.55
	77	A edge	990x1310/1370/1985	0.60
WALL PANELS				
Acoustished® Mural	38	A edge	1000x1500	0.95
	77	E edge		1.00
ADDITIONAL PRODUCTS				
Protisol®	30	A edge	600x1200/1200x1200	0.65 MH
	50 (50 kg/m³)			0.95
	50 (70 kg/m³)			1.00
Eurobac®	30	A edge	300x1200/600x1200	1.00
Eurolene®	45/50/160	-	600x1200	–

CLASS	α_p OR AEQ BY FREQUENCY (HZ)						PLENUM HEIGHT (in mm)	FIRE		SUPPLY AND FITTING PRICE FOR GUIDANCE ONLY €/m²
	125	250	500	1000	2000	4000		RESISTANCE	REACTION	
A	0.20	0.60	0.95	1.00	0.90	1.00	100	—	A1	★ ★
A	0.40	0.85	0.95	0.85	0.95	1.00	200			
A	0.50	0.85	0.95	0.85	0.95	1.00	200			
A	0.55	0.80	0.90	0.90	1.00	1.00	200	REI 30/FS 30*	A1 (white) A2-s1, d0 (colors)	★ ★ ★
A	0.55	0.90	1.00	0.95	1.00	1.00	200			
A	0.45	0.90	1.00	1.00	1.00	1.00	200			
A	0.70	0.95	1.00	1.05	1.10	1.10	200	—	A1 (white) A2-s1, d0 (colors)	★ ★ ★ ★
A	0.50	0.75	0.85	0.85	1.00	1.00	200	REI 30/FS 30*	A1	★ ★ ★ ★
A	0.45	0.80	0.90	0.85	1.00	1.00	200			
A	0.50	0.85	1.00	1.00	1.00	1.00	200			
A	0.55	0.90	0.95	0.90	1.05	1.10	200	REI 30/FS 30*	A2-s1, d0	★ ★ ★ ★ ★
A	0.40	0.80	0.85	0.85	1.00	1.00	200	—	A1	★ ★ ★ ★
A	0.40	0.80	0.90	0.85	1.00	1.00	200	—	A1	★ ★ ★ ★ ★
A	According to the visual's tile coverage rate						200	—	According to the visual's tile coverage rate	Contact us
A	0.40	0.80	0.85	0.85	1.00	1.00	200	—	A1	★ ★ ★ ★
A	0.40	0.80	0.9	0.85	1.00	1.00	200			
A	0.50	0.85	0.95	0.90	1.00	1.05	200	REI 30/FS 30*	A1 (colors), A2-s1,d0 (white)	★ ★ ★ ★
A	0.55	0.85	0.95	1.00	1.00	1.00	200			
A	0.50	0.85	0.95	0.90	1.00	1.05	200	REI 30/FS 30*	A1 (colors), A2-s1,d0 (white)	★ ★ ★ ★ ★
A	0.55	0.85	0.95	1.00	1.00	1.00	200			
—	0.50	0.40	0.50	1.10	1.10	1.20	—	—	According to filling panel	Contact us
—	0.20	0.40	0.60	0.65	0.60	0.55	—	—		
—	0.40	0.45	0.85	1.00	0.95	0.95	—	—		
—	—	—	—	—	—	—	—	—	According to filling panel	Contact us
D	0.50	0.45	0.45	0.60	0.55	0.50	200	REI 30/FS 30*	A1	★ ★ ★ ★
C	0.50	0.6	0.60	0.60	0.55	0.55	200			
—	—	—	—	—	—	—	—	—	A2-s1, d0	Contact us
A	0.60	0.95	1.00	1.00	1.10	1.10	200	—	A1 (white 38 mm) A2-s1,d0 (colors 38 mm)	★ ★ ★ ★
A	0.70	0.95	1.00	1.05	1.10	1.10	200			
D	0.50	0.45	0.45	0.60	0.55	0.50	200	—	A1 (38 mm)	★ ★ ★ ★
C	0.50	0.60	0.60	0.60	0.55	0.50	200			
A	0.15	0.60	1.00	1.05	1.05	1.10	0	—	A1 (white 38 mm) A2-s1,d0 (colors 38 mm)	★ ★ ★ ★
A	0.60	1.05	1.05	1.05	1.05	1.10				
C	0.10	0.35	0.80	1.00	1.05	1.10	0	—	A1	Contact us
A	0.20	0.65	1.00	1.00	0.95	0.95	0			
A	0.25	0.75	1.05	1.10	1.10	1.15	0			
A	0.40	0.90	1.00	1.00	1.00	1.00	200	—	A1	Contact us
—	—	—	—	—	—	—	—	REI 30/FS 30*	A1	Contact us

* See test report

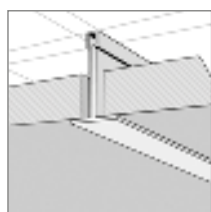
€15 to €20/m² ★ €25 to €35/m² ★ ★ ★ > €40/m² ★ ★ ★ ★ ★

€20 to €30/m² ★ ★ €30 to €40/m² ★ ★ ★ ★

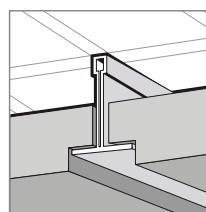
The esthetic choice

The esthetics of a ceiling depends on several factors:

EDGES



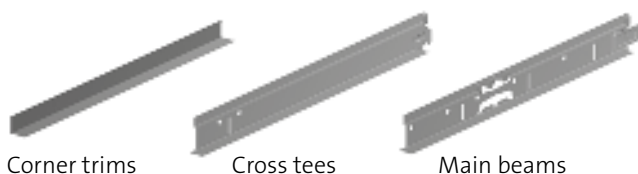
Classic grid
Straight A edge
T15/T24/T35 mm



Semi concealed grid
Rebated E edge
T15/T15 hollow joints
T24 mm

QUICK-LOCK® GRIDS

Find our **QUICK-LOCK®** grids and accessories catalog at www.eurocoustic.com



Corner trims

Cross tees

Main beams



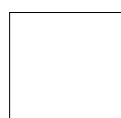
T15



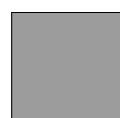
T24



T35



Standard
white



Grey
9006



Black
9005



Ultramatt
black



Quick-Lock®
EuroColors

DECORATIVE SURFACING

Whites



White



White 09



Craie D3



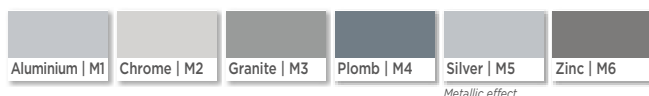
Boreal finish

Our acoustic ceilings with Boreal finish are coated with a white acrylic paint on the decorative surface and the edges.

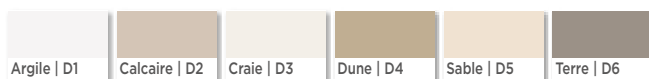
New

EuroColors

Metallic



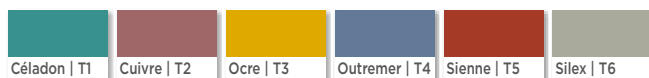
Desert



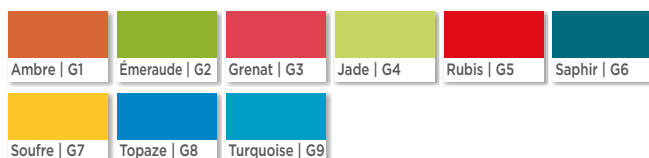
Polar



Earth



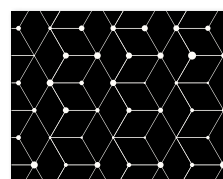
Gemstones



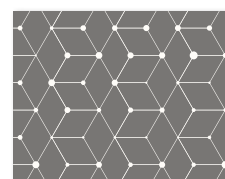
Volcanic



EuroDesign



Cubes Noir | C1



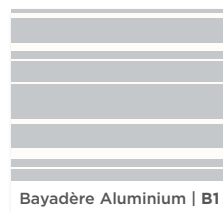
Cubes Zinc | C2



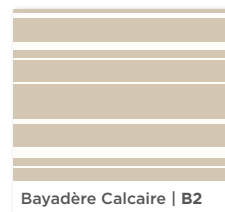
Ombelle Dune | O2



Ombelle Ardoise | O1



Bayadère Aluminium | B1

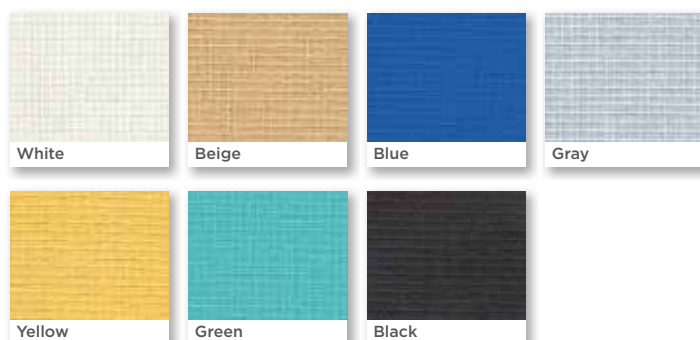


Bayadère Calcaire | B2

SPECIAL SURFACES

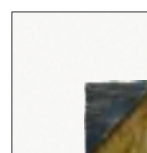
Reinforced veil

Acoustichoc® range



The veil offering resistance to air and water vapor flows

Acoustished® CV range



White 94

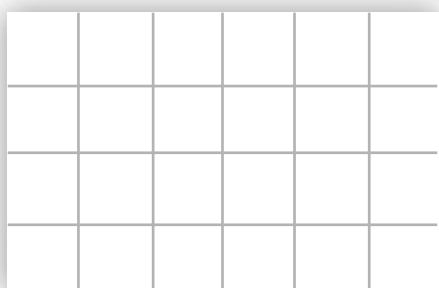
Complex of
glass fiber and
aluminum sheet

The esthetic choice

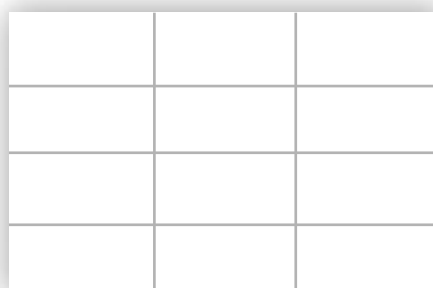
The dimensions of tiles vary according to product references and products.
The arrangement of the tiles influences the esthetics of your ceiling.

DIMENSIONS

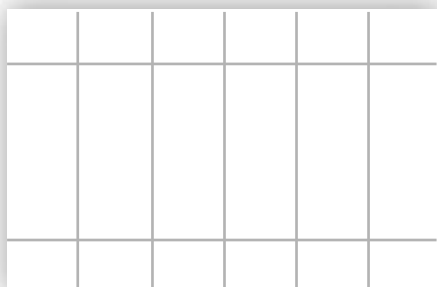
600 x 600 mm



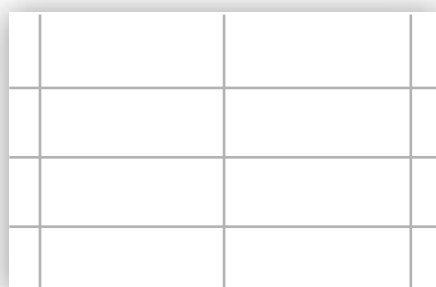
600 x 1200 mm



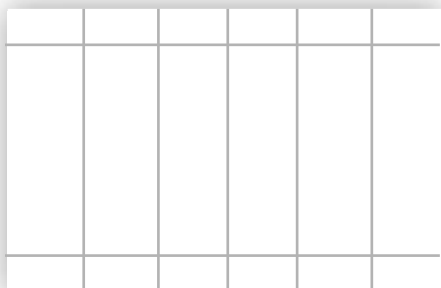
600 x 1500 mm



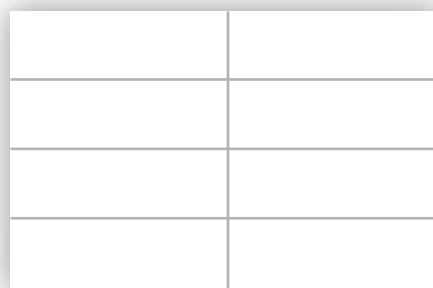
600 x 1500 mm



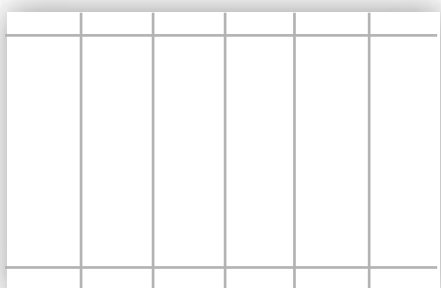
600 x 1720 mm



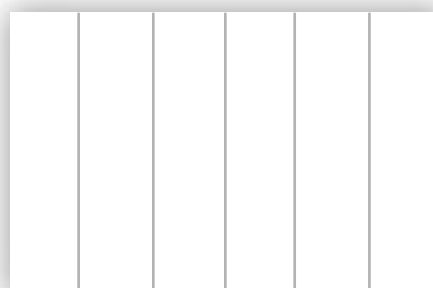
600 x 1800 mm



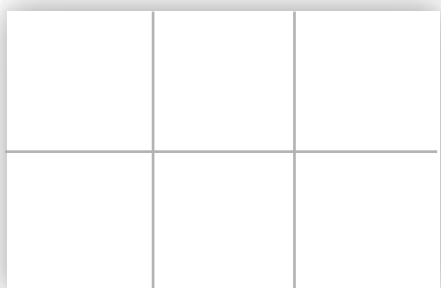
600 x 2000 mm



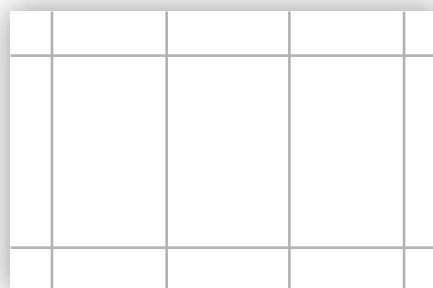
600 x 2400 mm



1200 x 1200 mm

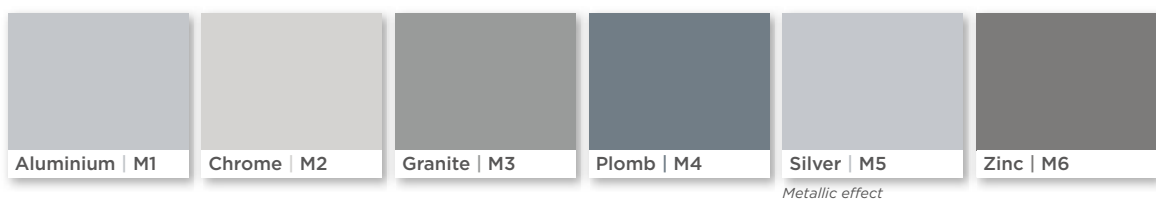


1000 x 1500 mm

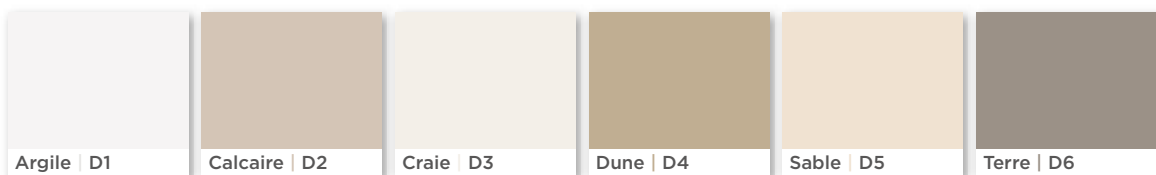


EuroColors chart

METALLIC



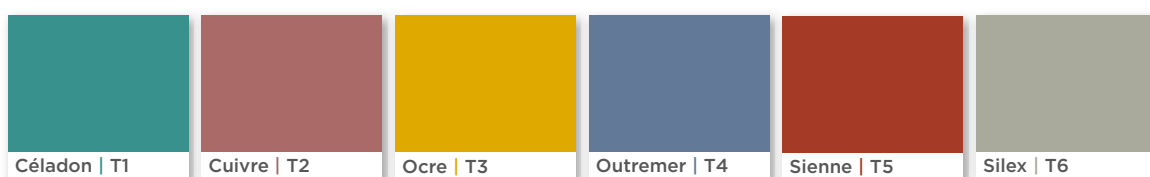
DESERT



POLAR



EARTH



GEMSTONES

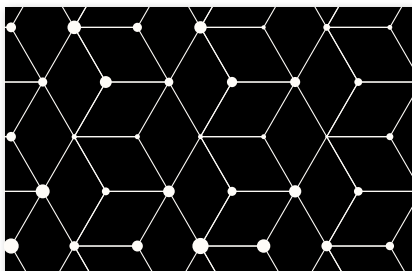


VOLCANIC

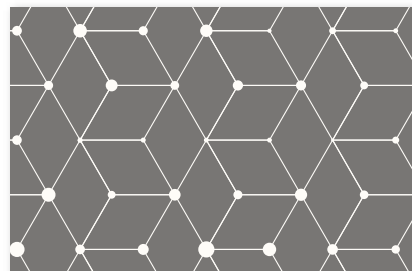


EuroDesign color chart

CUBES



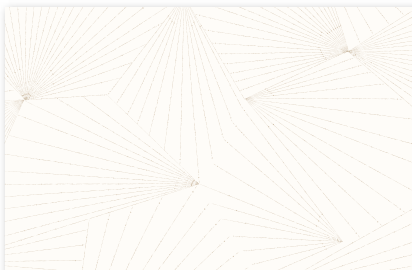
Cubes Noir | C1



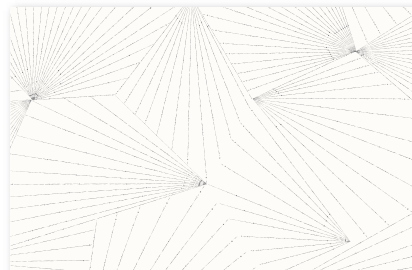
Cubes Zinc | C2

Pattern represented on a 1:25 scale

OMBELLE



Ombelle Dune | O2



Ombelle Ardoise | O1

Pattern represented on a 1:25 scale

BAYADÈRE



Bayadère Aluminium | B1

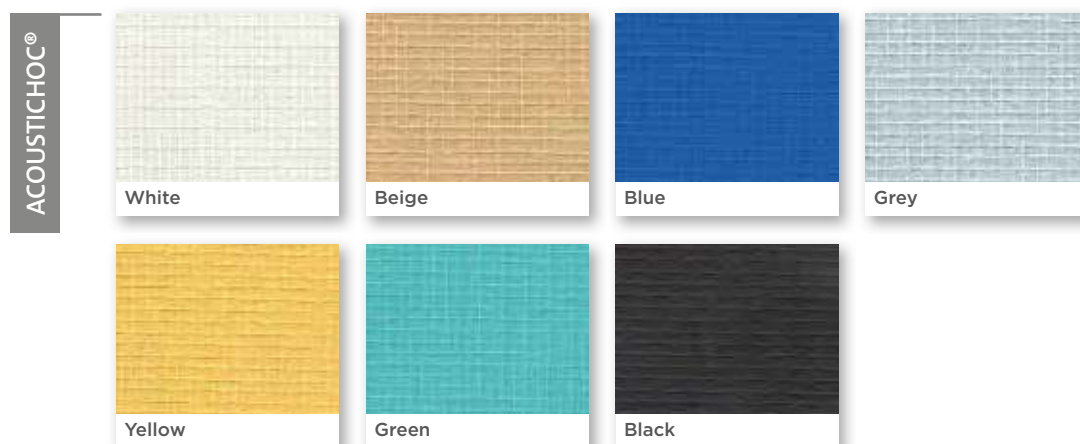


Bayadère Calcaire | B2

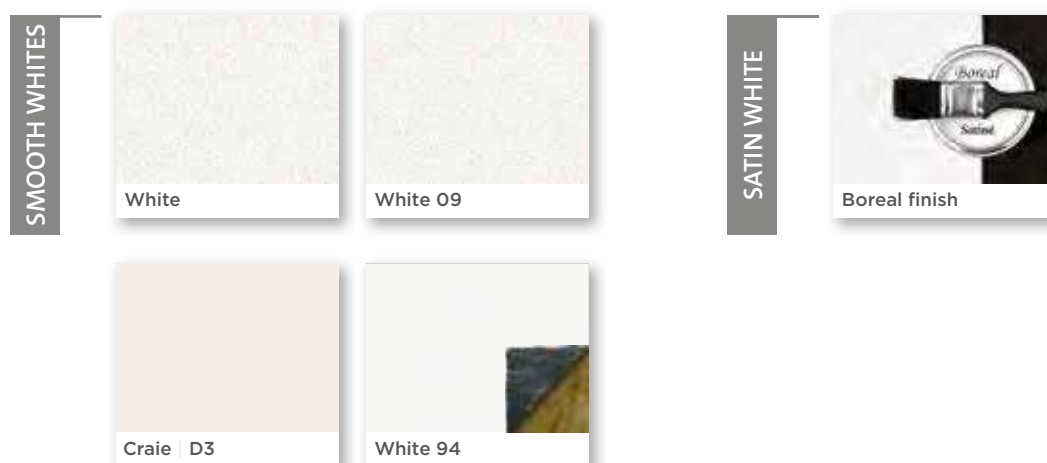
Pattern represented on a 1:05 scale

Color chart

SPECIAL SURFACES



WHITES



Installation

1 - CEILING ESSENTIALS

2 - GOOD PRACTICES

3 - STANDARD CEILINGS SOLUTION

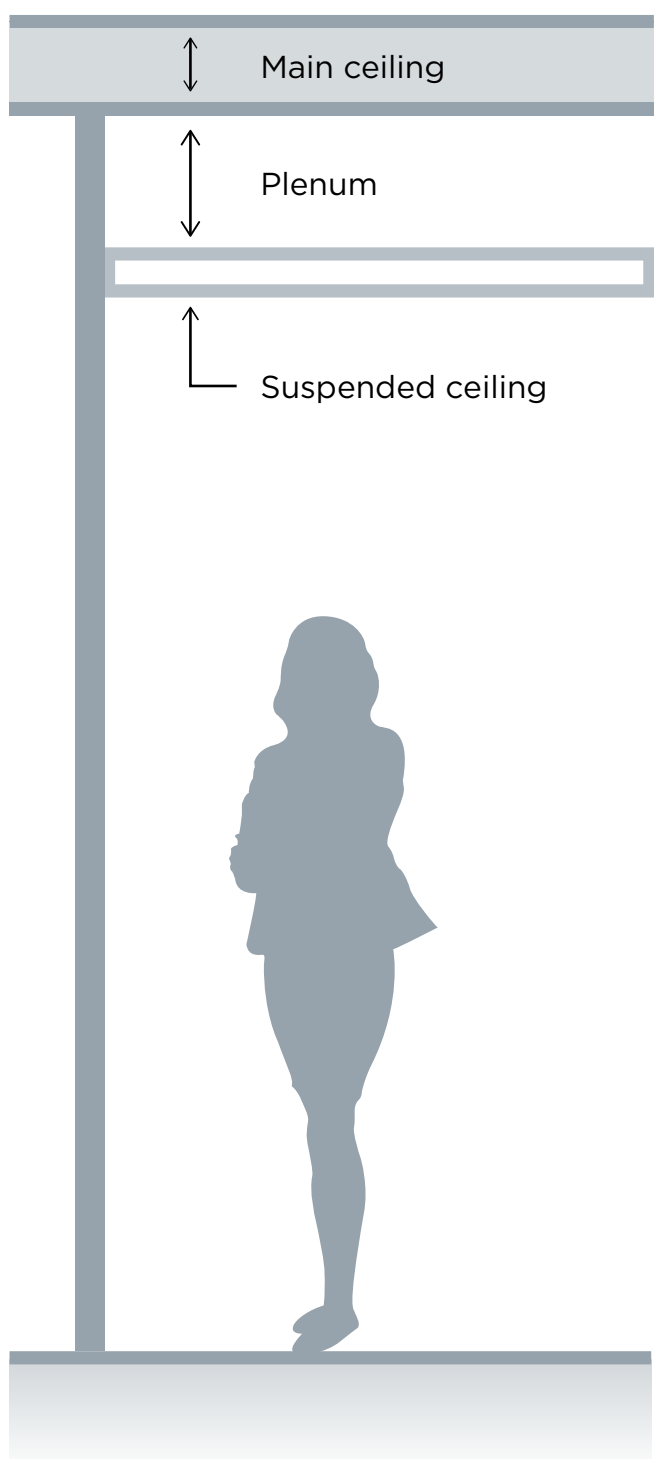
4 - LARGE VOLUMES

5 - WALL SOLUTIONS

6 - INSULA®



1 - CEILING ESSENTIALS



Why install a suspended ceiling?

- For easy and frequent access to the plenum.
- For routing pipes, ducts, wiring, etc.
- And to conceal all these unesthetic parts!

What are the benefits of a modular suspended ceiling?

- All or part of the ceiling can easily be replaced.
- Quick and easy installation.

What are the benefits for the building's occupants?

- **Acoustic comfort:**
absorption coefficient up to $\alpha_w = 1$.
- **Visual comfort:**
good reflection of natural light, up to 89% luminous reflection.
- **Sanitary comfort:**
A/A+ indoor air quality.
- **Thermal comfort:**
the insulating properties of stone wool.
- **Safety:**
A1 fire reaction (for white).

FOR MORE INFORMATION
on suspended ceilings, visit:
www.eurocoustic.com

Installation

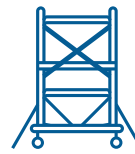
2 - GOOD PRACTICES

1

Choose suitable equipment



Lightweight traveling platform



Rolling scaffold

2

Choose protective tools and equipment



Gloves



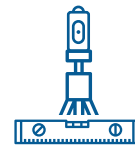
Fixing tools



Stanley knife



Shears



Laser measure



Tape measure

3

Storage and handling dos and don'ts



3 - STANDARD CEILING SOLUTIONS



Tips on installing the suspended ceiling (with tiles measuring 600x600*)

- 1) Fitting the wall angles **1**: draw the ceiling level on the wall. We recommend a plenum height of 20 cm to guarantee the acoustic properties of our products. The recommended spacing between the wall angle fastenings should be less than or equal to 40 cm.
- 2) Positioning the ceiling hangers **2**: every 1.2 meters. A distance of no more than 30 cm between the outside wall and the 1st row of ceiling hangers.
- 3) Fitting the main beams **3**: the main beams are then attached to the ceiling hangers every 1.20 m using a hanging system **2** comprising a threaded rod and adjustable slide or hanger.
- 4) Fitting the cross tees: 1200 mm cross tees **4** link two main beams via their slots and are spaced out every 600 mm. Short 600 mm cross tees **5** are placed perpendicularly in the slots of the 1200 mm cross tees and locked into the latter. The end result is a 600 x 600 mm ceiling grid.
- 5) Fitting the tiles **6**: start with the edge tiles.

* A ceiling with 600 x 1200 mm tiles only needs 1200 mm cross tees.

	600x600 mm module		1200x600 mm module		Module 1500x1000 mm	1200x 1200 mm module	1350 x30 mm module	1350x 600 mm module	675x675 mm module	
Quantity: linear meter/m²	Main beam center spacing 1800 mm T24	Main beam center spacing 1200 mm T15, T24, T35	Main beam center spacing 1800 mm T24	Main beam center spacing 1200 mm T15, T24, T35	Main beam center spacing 1500 mm T35	Main beam center spacing 1200 mm T24	Main beam center spacing 1350 mm T24	Main beam center spacing 1350 mm T24	Main beam center spacing 675 mm T24	Main beam center spacing 1350 mm T24
Primary beam	0.56	0.84	0.56	0.84	0.67	0.84	0.74	0.74	1.48	0.74
Cross tee 1800 mm	1.67		0.84							
Cross tee 1500 mm					1					
Cross tee 1350 mm							3.33			1.48
Cross tee 1200 mm		1.67	1.12	1.67		0.84				
Cross tee 600 mm	1.12	0.84						1.66		
Cross tee 600 mm									1.48	0.74
Ceiling hangers u/m²	0.5	0.7	0.5	0.7	0.6	0.7	1.1	1.1	1.1	0.55

► Watch the installation video on our channel



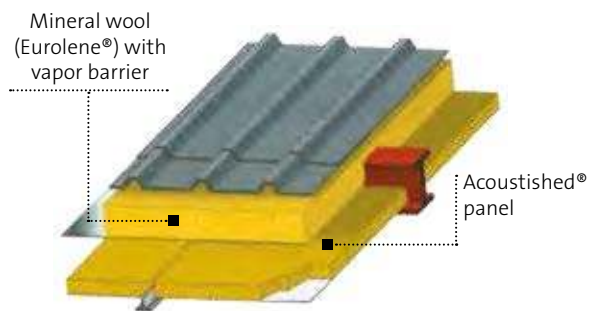
Installation

4 - CEILING SOLUTIONS FOR LARGE ROOMS

Installation beneath warm or cold roofs is restricted to low-humidity rooms.

- **For warm roofs**, the product must be fitted in accordance with the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- **For cold roofs**, the product must be fitted in accordance with the requirements of the DTU 40.35 code of practice relating to profiled roofing sheets made from coated sheet steel (NF P34-205 standard).

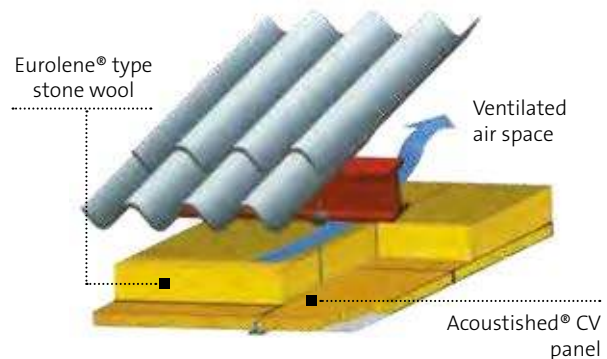
Beneath warm roofs



Method 1: Beneath warm roofs

- A vapor barrier must be fitted on the warm side:
 - In case of an Acoustished® ceiling (without a vapor barrier), mineral wool insulation (preferably in rolls) with an integrated vapor barrier must be laid on top.
 - The thermal resistance of the insulation must be at least twice that of the ceiling.

Beneath cold roofs



Method 2: Beneath cold roofs

- A condensation regulator (such as sprayed mineral wool) must be fitted on the underside of the roof covering.
- When installing the roof underlay, care must be taken to maintain a continuous ventilated air gap of at least 4 cm. Ventilation must comply with the French building technical standard.



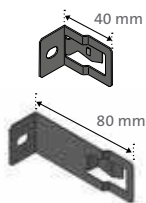
5 - WALL SOLUTIONS

Acoustished® and Acoustichoc® panels can be mounted on walls above a height of 2.0 m.*

The new Eurocoustic wall-fitting accessory system, compatible with **QUICK-LOCK®** T24 or T35 grids, is ideally suited to the installation of these panels.

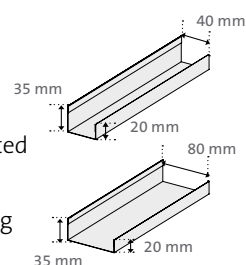
Fixing clips

- **Complete range** compatible with panel thicknesses
- **Design suited** to **QUICK-LOCK®** grids
- **Easy** to install



Finishing C channels

- **Complete range** compatible with panel thicknesses
- **White pre-lacquered finish** suited to **QUICK-LOCK®** grids
- **Offset wings** for easier screwing into the wall



Installation in four steps

1 FIX THE CLIP-ON CHANNELS AROUND THE EDGE OF THE STRUCTURE



TIP

Use screws suitable for the supporting wall, spaced 30 cm apart.

2 FIT THE PANELS AND CROSS TEES ON THE FIRST ROW, FROM THE BOTTOM UPWARDS



1st panel

1st cross tee

2nd panel



TIP

Unlike the ceiling tiles, the wall panels and grids must be fitted step by step, one after another.

3 FIX THE CLIPS AND THE MAIN BEAMS



TIP

The clips are then fitted every 1.0 m, while avoiding contact with the cross tees.

Place the slots of the main beams perpendicular to the cross tees.

4 FIT THE OTHER ROWS OF PANELS FROM THE BOTTOM UPWARDS, ONE NEXT TO THE OTHER



* When fitting below a height of 2.0 m, mechanical protection must be provided for the lower part. Avoid fitting panels on walls likely to be subjected to repeated impacts (e.g. behind a handball goal).

Installation



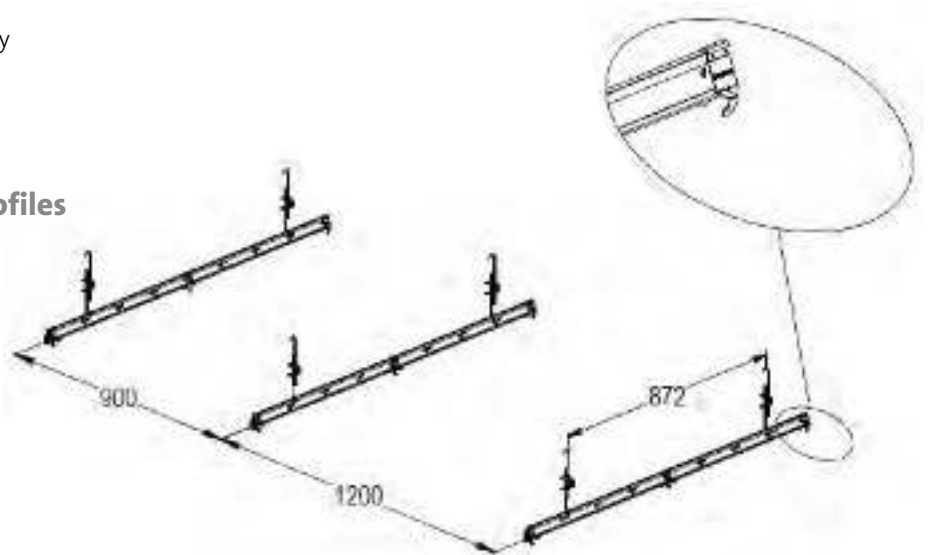
6 - INSULA®

Step 1: Preparation

- Assemble all the profiles and parts.
- Clip the Cross-Lock hooks into the slots of the primary beams.
- Take care to fit the hooks the right way round.

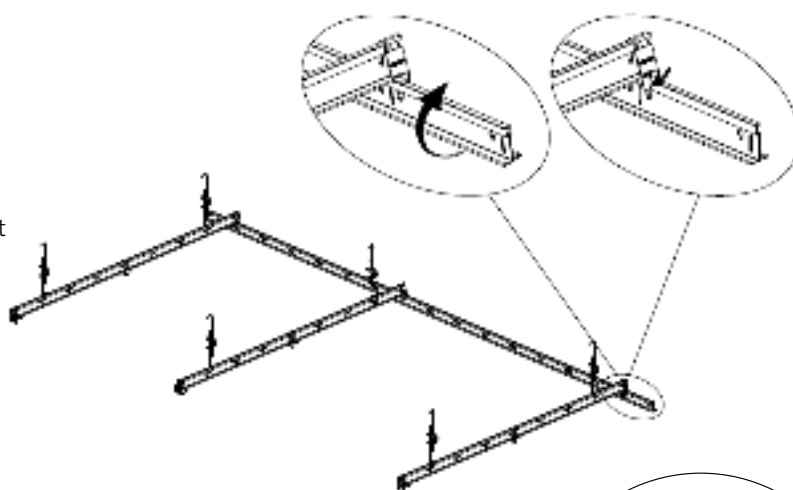
Step 2: Fitting the primary profiles

- Define the hanging points and fit the ceiling hangers.
- Hang the primary beams onto the ceiling hangers.
- Use a spirit level to adjust the height of the profiles.



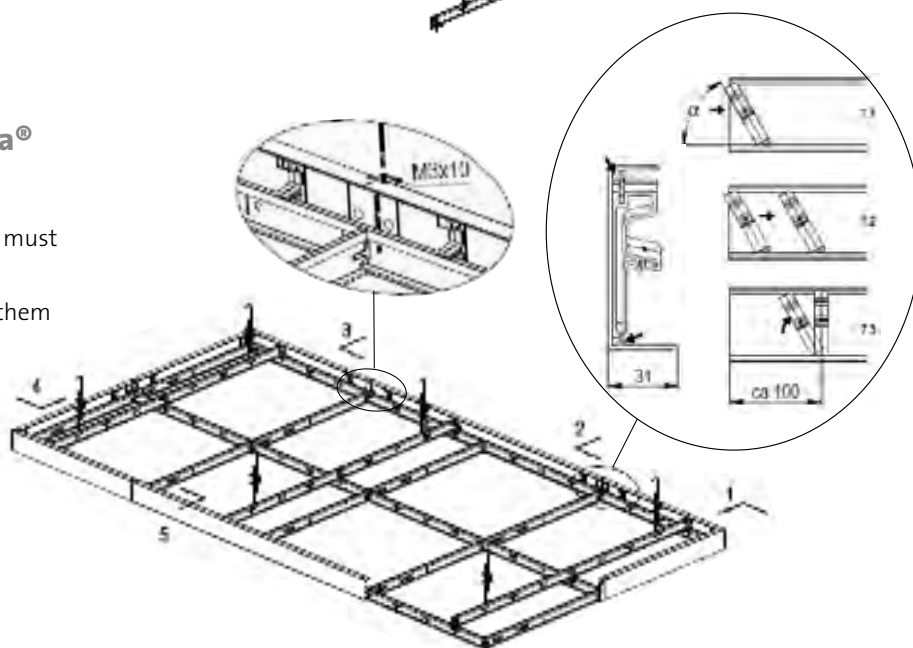
Step 3: Fitting the secondary profiles

- Tilt the secondary beam to insert the legs of the Cross-Lock hook into the slots.
- Lock the assembly by folding over the legs.
- Fit the cross tees.
- Add the cross tee clips.



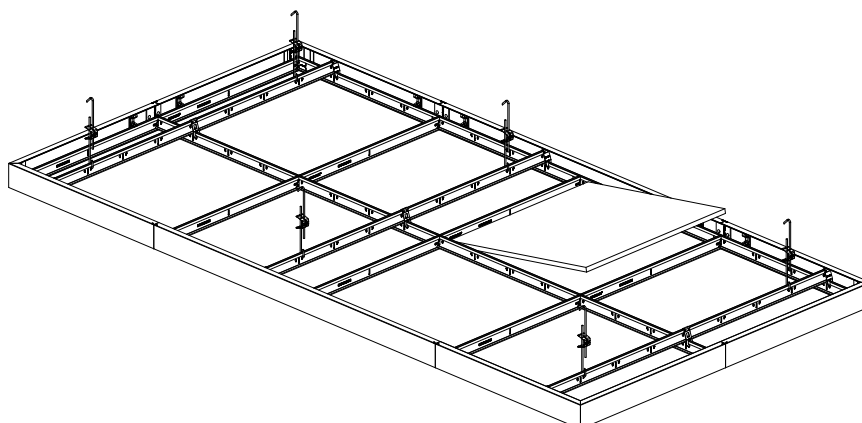
Step 4: Fitting the Insula® 76A edge profiles

- The widest side of the profile must be at the bottom.
- Fit the edge clips by clipping them into the profiles.
- Slide and clip the edge profiles onto the primary beams.
- Lock the assembly in place with screws.



Step 5: Installing the panels

- Position the tiles on the secondary beams and cross tees under the primary beams.



A ceiling to suit every need

EUROCOUSTIC SOLUTIONS BY TYPE OF ROOM

EUROCOUSTIC SOLUTIONS BY TYPE OF ROOM		OFFICE						RETAIL				
		Individual office	Open space	Shared office	Unfurnished space	Meeting room	Corridors	Institutional food services	Kitchen	Shop	Supermarket	Bar, restaurant
Standards		NFS31-080 standards, January 2006. Offices and related areas - acoustic performance levels and criteria by type of area						Ministerial order of April 25, 2003 on noise control in hotels				
Inexpensive and efficient												
Minerval®		●	●	●	●	●	●		●	●	●	
Better, safer, easier												
Tonga®		●	●	●	●	●	●		●	●	●	
Tonga® Therm			●	●	●	●	●			●	●	
Tonga® Ultra Clean	Boreal finish						●	●			●	
Tonga® Ultra Clean HP								●				
Area®	Boreal finish	●	●	●	●	●			●		●	
Ermes®	Boreal finish	●	●	●	●	●			●		●	
Specific solutions												
MyConcept			●	●	●	●	●		●		●	
HEALTH												
Clini'Safe®												
IMPACT RESISTANCE												
Acoustichoc®												
Acoustichoc® Impact 15												
Acoustichoc® Impact 30												
BAFFLES & ISLANDS												
Insula®			●	●	●		●		●	●	●	
Eurobaffle®							●		●	●	●	
LATERAL SOUND INSULATION												
Alizé®		●	●	●		●						
Acoustipan®		●	●	●		●						
LARGE ROOMS/WARM ROOFS												
Acoustished®							●			●	●	
LARGE ROOMS/COLD ROOFS												
Acoustished® CV							●			●		
WALL PANELS												
Acoustished® Mural							●			●	●	

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SAINT-GOBAIN

Some achievements





Some achievements





Some achievements







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