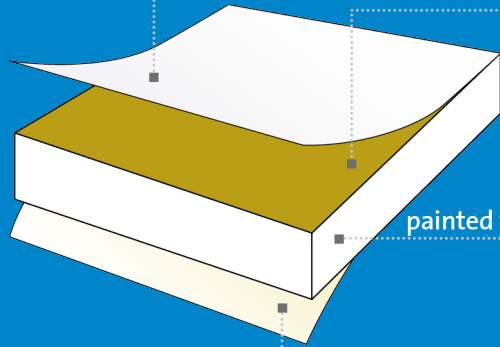


Tonga[®] Ultra Clean A 40

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



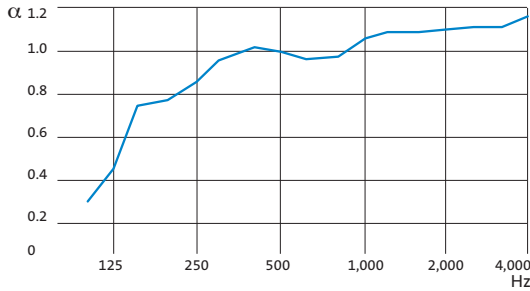


Tonga® Ultra Clean A 40

- > 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 % 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

- **REI 30** 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 Eurovlène® 603 + 0 to 200 mm of IBR

- **REI 30** 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 the mineral wool 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 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	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.