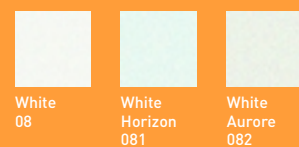


Tonga® White

Tonga® White



Colours



Applications

Any project requiring a combination of all or some of these properties : decorative effect, acoustic control, resistance to humidity, non-combustibility, durability, such as, offices, retail, hotels, restaurants and schools.

The classic one

Description

A rigid self-supporting stone wool panel offering remarkable acoustic absorption capabilities. Panels are lined with decorative glass fibre tissue on the visible side, and natural **glass fibre tissue** on the reverse side. They are manufactured to guarantee complete and permanent rigidity.

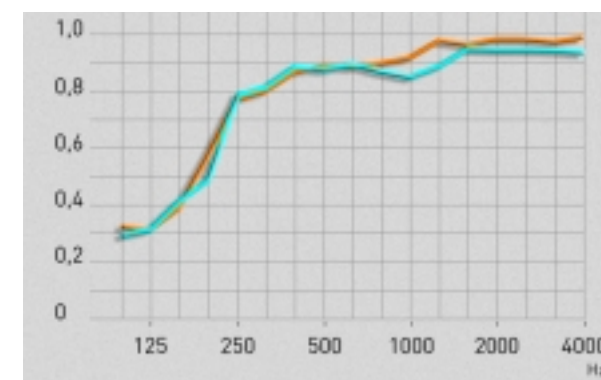
Sizes (modulus), T15/T24 mm

Length	600 mm	1200 mm	1200 mm
Width	600 mm	600 mm	1200 mm
Thickness	25/40 mm	25/40 mm	25 mm

Acoustic absorption

With their excellent absorption performances, White Tonga® ceilings control reverberation in all public environments.

Acoustic absorption coefficient
 α Sabine



■ 25 mm : $\alpha_w = 0,90$; class A.
■ 40 mm : $\alpha_w = 0,95$; class A.

Thermal insulation values

Thickness	Thermal insulation values
25 mm	R = 0,71 m ² K/W
40 mm	R = 1,14 m ² K/W

Humidity

Maximum resistance to atmospheric humidity: 100 %, ensuring complete rigidity and stability. CRIR test reports.

Light reflection

White (code 08) 85 %

Performances in a microbic environment

Tonga® White, ceilings do not contain any element prone to microbic development. Test report : IRM 117 1189.

Acoustic barrier

Thickness	Barrier	Dntw dB
25 mm	+ Acoustipan®	37
25 mm	+ Acoustibloc®	40
25 mm	+ 2 Acoustipan®	46

Health and environment

Eurocoustic stone wools make it possible to reduce sound nuisance, energy consumption and the emission of greenhouse gases.

The stone wool panels are made with fibres that do not contain any materials classified as carcinogenic (European Directive 97/69/CE).

According to the International Agency for Research on Cancer, stone wools cannot be classified as regards their carcinogenicity to humans (group 3).

We recycle our stone wools.

Fire testing

France :
Tonga® White ceilings are classified M0 ; Eurocoustic panels have achieved the highest possible safety standards.
CSTB test report : RA 05-0058.

Fire resistance

Tonga® White panels provide 1/2 h fire resistance for concrete, steel and wood structures :
- 25 mm module 600 x 600 mm, T24 mm (CTICM 05-U-269)
- 25 mm module 600 x 600 mm + 160 mm Eurolène 603, T24 mm (CTICM 05-A-001)
Possibility to add 100 mm IBR nu pour R = 7,5 m² K/W
- 40 mm module 600 x 600 mm, T24 mm (CTICM 05-U-269).

Installation

Tonga® White, panels are rigid and easy to handle and cut by means of a cutter. They are installed on an easy to dismantle T15 or T24 mm framework. They should be installed in accordance with the stipulations of the NFP 68203-1 & 2. We recommend providing air circulation between the room and the plenum in order to balance out any temperature and pressure differences on either side of the ceiling.