



### Description

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

### 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.



### Sizes (modulus), T15/T24 mm

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



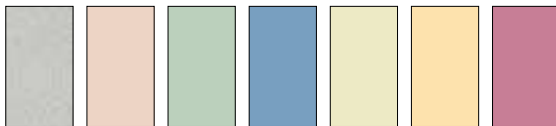
### Colours

#### The Tonics



Ruby (code A1) Sapphire (code A2) Turquoise (code A3) Gold (code A4) Amber (code A5) Malachite (code A6) Night blue (code A7) Black (code G2)

#### The Pastels



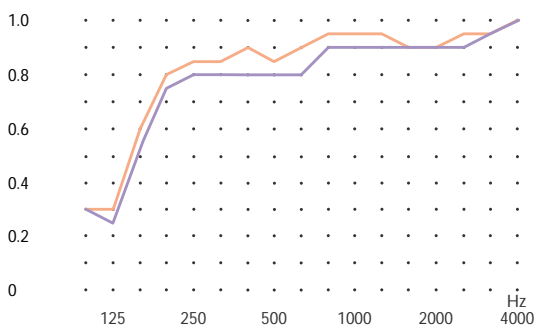
Grey (cod. G1) Magnolia (code G3) Mint (code G4) Periwinkle (code G5) Jasmine (code G6) Orchid (code G7) Peony (code G8)



### Acoustic absorption

With their excellent acoustic performances, Tonga® The Pastels and The Tonics ceilings ensure and enhance the auditive qualities in all premises requiring controlled acoustics. (plenum 300 mm)

Acoustic absorption coefficient  $\alpha$  Sabine



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



### Fire resistance

France :

Tonga® the Pastels and the Tonics panels provide 1/2 h fire resistance for concrete, steel and wood structures :

25 mm, module 600 x 600 mm, T 24 mm + 160 mm Eurolène 603

- Fire stability : 1/2 h for concrete, steel and wood structures
- Fire insulation : Ceiling and floor 1/2 h for concrete, steel and wood structures (plenum  $\geq 300$  mm)
- CTICM test report 03-H-317
- Thermal insulation values :  $R = 5 \text{ m}^2 \text{ K/W}$



### Fire testing

France :

Tonga® the Pastels and the Tonics ceilings are classified M0 ; Eurocoustic panels have achieved the highest possible safety standards. CSTB test report : RA 00-10-1.



### Humidity

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



### Performances in a microbic environment

Tonga® The Pastels and The Tonics ceilings do not contain any element prone to microbic development.

IRM test report : n° 117 1189



### Thermal insulation values

Thickness	Thermal insulation values
25 mm	$R = 0,71 \text{ m}^2 \text{ K/W}$
40 mm	$R = 1,14 \text{ m}^2 \text{ K/W}$



### Acoustic barrier

Thickness	Barrier		DnW 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.



### Installation

Tonga® The Pastels and The Tonics panels are rigid and easy to handle and cut by means of a cutter. They are installed on an easy to dismantle T15 or T 24 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.