

TONGA® DB 41 A



Tonga® dB 41 A ceilings offer a perfect balance between sound absorption and sound insulation. Ideal in places where acoustic is essential.

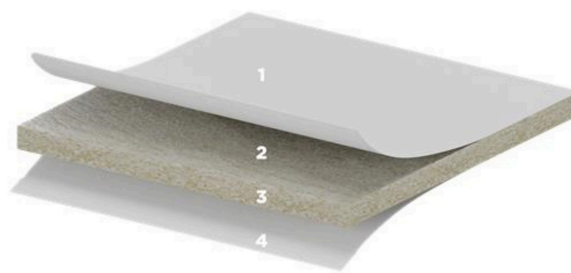


Tonga® dB 41 A



PANEL DESCRIPTION

1:	Decorative glass fiber veil in white
2:	High density mineral wool panel, 38 mm thick
3:	A edges
4:	Acoustic membrane glass fiber veil on reverse side



TYPE OF APPLICATION

- Office
- Education
- Additional areas
- Healthcare

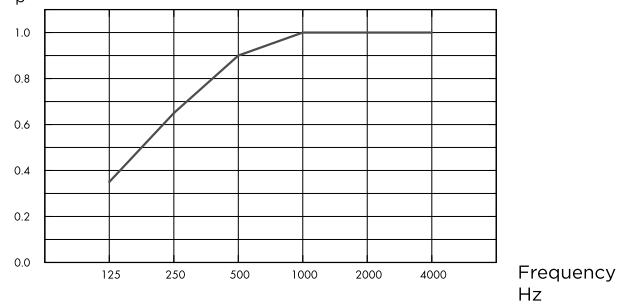


ACOUSTICS

Sound Absorption

Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value rating for Noise Reduction Coefficient, NRC, according to ASTM C 423.

α_p , Practical sound absorption coefficient



— Eurocoustic Tonga® dB 41 A, 200 mm o.d.s.
o.d.s = overall depth of system

THK mm	o.d.s. mm	α_p , Practical sound absorption coefficient						α_w	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
38	200	0.35	0.65	0.90	1.00	1.00	1.00	0.90	A

THK mm	o.d.s. mm	NRC
38	200	0.90

	D_{nfw} Weighted normalized flanking level difference, ISO 10848-2	CAC dB Ceiling Attenuation Class, ASTM 1414, ASTM E413	R_w Weighted sound reduction index, ISO 10140-2
	41 (-2; -8)	42	22 (-2; -2)
+ Acoustipan®	52 (-5; -12)	55	-



VISUAL APPEARANCE

Property	White 09
Light Reflectance (LRV%)	87%
Whiteness (L*)	94%
Gloss (85°)	1.2



FIRE REACTION

Standard	Classification
EN 13501-1	Euroclass A1



FIRE RESISTANCE

See respective classification reports for detailed information on installation and suspension system requirements.

Standard	Classification	Size	Load-bearing structures	Additional insulation
EN 13501-2	REI 30	600x600	Concrete, Steel	-
EN 13501-2	REI 30	600x600	Concrete, Steel, Timber	160 mm Eurolène® 603



HUMIDITY RESISTANCE

100% flat irrespective of the Relative Humidity.



INDOOR AIR QUALITY

Certificate / Label	
French VOC	A+



MATERIAL HEALTH

EUCB	Eurocoustic panels are manufactured using mineral wool certified by the European Certification Board for mineral wool products (EUCB), which independently confirms that mineral wool is produced in conformity with the Note Q of European Regulation (EC) No 1272/2008 and therefore classification as a carcinogen does not apply.
REACH	Eurocoustic products comply with the REACH regulation of the European Chemicals Agency and therefore do not contain any Substances of Very High Concern (SVHC) with potential negative impacts on human health or the environment above 100ppm.



CARBON FOOTPRINT

Life cycle stages A1 to C4 of the EPD, in compliance with ISO 14025 / EN 15804.

	kg CO ₂ equiv/m ²
Tonga® dB 41 A	11.4



CIRCULARITY

Minimum recycled content	24%
Recyclability	Fully recyclable



CLEANABILITY

The ceiling surface does not retain dust, which makes the panels easier to clean. The ceiling can be cleaned using a light brush or a vacuum cleaner. This type of cleaning will help extend the service life of the ceilings.



INSTALLATION

- 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.
- 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.



CE

Eurocoustic ceilings are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



PRODUCT RANGE

The Tonga® dB 41 A ceilings are protected by a heat-shrink film. The pallets are banded and should be stored in a sheltered area

Format	600x600	1200x600	1350x600	1500x600
Edge	A	A	A	A
Grids	T24	T24	T24	T24
Panels/pack	12	6	4	4
m ² /pack	4,32	4,32	3,24	3,6
Packs/pallet	18	18	28	28
Service class	A (White 09), C (EuroColors)	A (White 09), C (EuroColors)	C (White 09)	C (White 09)

COLOURS AND DESIGN

Colors



EuroColors

Argile / D1	Calcaire / D2	Craie / D3	Dune / D4	Sable / D5	Terre / D6	Aluminium / M1
Chrome / M2	Granite / M3	Plomb / M4	Zinc / M6	Banquise / P1	Crépuscule / P2	Givre / P3
Glacier / P4	Iceberg / P5	Rosée / P6	Céladon / T1	Cuivre / T2	Ocre / T3	Outremer / T4
Sienne / T5	Silex / T6	Ambre / G1	Emeraud / G2	Grenat / G3	Jade / G4	Rubis / G5
Saphir / G6	Soufre / G7	Topaze / G8	Turquoise / G9	Ardoise / V1	Basalte / V2	Cobalt / V3
Fer / V4	Lave / V5	Météorite / V6	Noir / V7			