



PHONIC TECH

SPECIALISED ACOUSTIC PANEL



High Absorption



Hygrothermal



Glasswool



Hygiene



Fire Test- Group 1S

FEATURES

- High Noise Reduction Coefficient will significantly reduce reverberation time.
- Can be wiped for easy cleaning. Stain resistant face.
- Ideal for workshops, tech spaces, kitchens, laboratories and hygiene spaces. The face has been tested and proven to prevent growth of microbial activity.
- Available in a selection of colours on indent – standard colour is white.
- For Green Star rated projects, Phonic meets the Greenguard Emission Certificate standard.

V 2.0 12/23



Sound absorption	Thickness	HZ	125	250	500	1000	2000	4000	α_w	NRC	
	20 mm	α_p	0.45	0.70	0.75	0.95	0.95	0.85	0.85	0.85	
	40 mm	α_p	0.65	0.75	0.85	0.95	1.00	0.95	0.95	0.90	
*Tested to AS/ISO 354: 2006 Acoustics-Measurement of sound absorption in a reverberation room. Air gap type E-400											
Ceiling flanking noise	Thickness	CAC									
	20 mm	23									
	40 mm	40									
*Tested to ASTM E1414-11A Standard test method for airborne sound attenuation between rooms sharing a common ceiling plenum.											
Fire Test	Thickness	Class									
	20 - 40 mm	Group 1-5									
	*Tested to ISO 5660.1-2015 Reaction to fire tests – Heat release smoke production and mass loss rate part 1 (cone calorimeter).										
Cleanroom	Thickness	Class									
	20 - 40 mm	3									
	*Tested to the principal requirements in accordance 14644.1:2015 and the tile meets Cleanroom Class 3.										
Sizes	Thickness										
	20 - 40 mm	1200 x 600 mm, 600 x 600 mm (other sizes available on indent)									
Weight	2.0 kg/m ² (20 mm), 4.0 kg/m ² (40 mm)										
Density	100 kg/m ³ (20 mm), 100 kg/m ³ (40 mm)										
Edge details	Square edge										
Light reflectance	LR 84% +										
	*Tested to ASTM E1477-98 standard test method										
Colour	White. Available on indent; Black, Blue, Grey, Caramel- MOQ apply).										
Thermal resistance	0.5 m ² K/W (20 mm), 1 m ² K/W (40 mm) (calculated)										
Antimicrobial	*Tested to ISO 22196: 2011 standard test method										
Sustainability	Recycled product: the rate of pre-consumer recycled content in Phonic fibreglass ceiling tiles is 80%. The recycled content includes 30% industrial waste and 70% civilian used waste, all procured from reclamation depots.										
VOC	*Tested to ASTM D519-06 standard test method										
Warranty	30 Year product warranty when installed in accordance with NZ1170.5										
NZ building code	Exceeds clause B2 - durability, 5 years										

*Test reports available upon request

V 2.0 12/23



0800 666 556
info@tris.co.nz
www.tris.co.nz