



PHONIC COMBO +

HIGH PERFORMANCE ACOUSTIC CEILING TILE



High Absorption



Hygrothermal



Fire Test Group-1S



High Attenuation



Glasswool



Mineral Fibre

FEATURES

- Phonic Combo + is a composite tile with a refined white painted, monolithic, pre-finished face.
- It has an absorptive layer with an attenuating backer behind.
- The absorbent face is made from a compounded, high density glass-wool.
- For Green Star rated projects, Phonic meets the Greenguard Emission Certificate standard.

V1.0 11/23



PHONIC
ACOUSTIC CEILING TILES



Sound absorption	Thickness	HZ	125	250	500	1000	2000	4000	α_w	NRC
	35 mm	α_p	0.30	0.45	0.75	0.95	1.00	0.75	0.85	0.85
	45 mm	α_p	0.55	0.60	0.90	1.00	1.00	0.95	0.90	0.90
*Tested to AS/ISO 354: 2006 Acoustics-Measurement of sound absorption in a reverberation room. aw, calculated to ISO 11654 1997, NRC calculated to ASTM C423. Air gap type E-400.										
Ceiling attenuation coefficient	Thickness	CAC								
	35 mm	42								
	45 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								
	35 mm, 45 mm	Group 1-S								
	*Tested to ISO 5660.1-2015 Reaction to fire tests – Heat release smoke production and mass loss rate part 1 (cone calorimeter). NZBC C/VM2 Appendix A.									
Sizes	Thickness	1200 x 600 mm, 600 x 600 mm (other sizes available on indent)								
	35 mm, 45 mm									
Weight	7.5 kg/m ² (35 mm), 6.17 kg/m ² (45 mm)									
Density	Face glasswool									
	35 mm	100 kg/m ²								
	45 mm	80 kg/m ³								
	Backer mineral fibre									
	35 mm	250 kg/m ²								
	45 mm	250 kg/m ²								
Edge details	Square edge, reveal edge on indent									
Light reflectance	87%									
	*Tested to ASTM E1477-98 standard test method									
Colour	White, Black									
Thermal resistance	0.7 m ² k/w (calculated)									
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