



PHONIC DIRECT FIX

HIGH PERFORMANCE ACOUSTIC CEILING TILE



30
YEAR
WARRANTY



High Absorption



Hygrothermal



Hygiene



Glasswool



Fire Test Group-1S

FEATURES

- Direct Fix eliminates the need for an exposed grid and enhances the clean smooth monolithic surface.
- High noise reduction coefficient (NRC 0.75 – 1.00 depending on installation method) to reduce reverberation time.
- Designed for direct fix application to new or existing gypsum board or over timber/metal battens.
- For Green Star rated projects, Phonic meets the Greenguard Emission Certificate standard.

V 2.0 12/23



PHONIC
ACOUSTIC CEILING TILES



Sound absorption	Thickness	HZ	125	250	500	1000	2000	4000	α_w	NRC
	20 mm (with 35 mm air gap)	α_p	0.15	0.55	0.90	1.00	0.90	0.80	0.85	0.85
	20 mm (direct fix)	α_p	0.10	0.25	0.65	0.95	1.00	0.95	0.55	0.75
*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 A-Mount.										
Ceiling flanking noise	Thickness	CAC								
	20 mm (without plasterboard back)	23								
*Tested to ASTM E1414-11A Standard test method for airborne sound attenuation between rooms sharing a common ceiling plenum.										
Fire test	Thickness	Class								
	20 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).										
Clean room	Thickness	Class								
	20 mm	3								
*Tested to principal requirements in accordance ISO 14644.1:2015 and the tile meets Cleanroom Class 3.										
Sizes	Thickness									
	20 mm	1200 x 600 mm, 600 x 600 mm								
Weight	2.4 kg/m ²									
Density	120 kg/m ³									
Edge details	Direct fix									
Light reflectance	LR 87%									
	*Tested to ASTM E1477-98 standard test method									
Colour	White									
Thermal resistance	0.35 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

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