



# PHONIC HARMONY +

HIGH PERFORMANCE ACOUSTIC CEILING TILE



**30**  
YEAR  
WARRANTY



Mid range absorption

Hygrothermal



Fire Test Group-1S



High Attenuation



Glasswool



Mineral Fibre

## FEATURES

- Phonic Harmony + 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 high density glass- wool.
- For Green Star rated projects, Phonic meets the Greenguard Emission Certificate standard.

V1.0 11/23



**PHONIC**  
ACOUSTIC CEILING TILES



<b>Sound absorption</b>	<b>Thickness</b> 20mm	<b>HZ</b> $\alpha_p$	<b>125</b> 0.55	<b>250</b> 0.40	<b>500</b> 0.55	<b>1000</b> 0.80	<b>2000</b> 0.95	<b>4000</b> 1.00	$\alpha_w$ 0.60	<b>NRC</b> 0.70
*Tested to AS/ISO 354: 2006 Acoustics-Measurement of sound absorption in a reverberation room . $\alpha_w$ , calculated to ISO 11654 1997, NRC calculated to ASTM C423. Air gap type E-400.										
<b>Ceiling attenuation coefficient</b>	<b>Thickness</b> 20 mm	<b>CAC</b> 49								
*Tested to ASTM E1414-11A Standard test method for airborne sound attenuation between rooms sharing a common ceiling plenum.										
<b>Fire test</b>	<b>Thickness</b> 20 mm	<b>Class</b> 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.										
<b>Sizes</b>	<b>Thickness</b> 20 mm	1200 x 600 mm, 600 x 600 mm (other sizes available on indent)								
<b>Weight</b>	4.19kg/m <sup>2</sup>									
<b>Density</b>	100kg/m <sup>3</sup> (glasswool), 250kg/m <sup>3</sup> (mineral fibre)									
<b>Edge details</b>	Square edge									
<b>Light reflectance</b>	87% *Tested to ASTM E1477-98 standard test method									
<b>Colour</b>	White, Black									
<b>Thermal resistance</b>	0.35 m <sup>2</sup> k/w (calculated)									
<b>Sustainability</b>	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.									
<b>VOC</b>	*Tested to ASTM D519-06 standard test method									
<b>Warranty</b>	30 Year product warranty when installed in accordance with NZ1170.5									
<b>NZ Building Code</b>	Exceeds clause B2 - durability, 5 years									

\*Test reports available upon request