



# PHONIC HARMONY

ACOUSTIC CEILING TILE



**30**  
YEAR  
WARRANTY



High Attenuation



Hygrothermal



Hygiene



Mineral Fibre



Fire Test Group-1S

## FEATURES

- Fine, monolithic texture. High light reflectance.
- Mid-range sound absorption qualities, which reduces reverberation time, and a medium Ceiling Attenuation Class (CAC) to reduce sound transfer through the ceiling plenum.
- Suitable for use in offices, education centres, lobbies, reception areas, call centres and commercial interiors.
- For Green Star rated projects, Phonic meets the Greenguard Emission Certificate standard.



<b>Sound absorption</b>	<b>Thickness</b> 19 mm	<b>HZ</b> $\alpha_p$	<b>125</b> 0.35	<b>250</b> 0.50	<b>500</b> 0.65	<b>1000</b> 0.80	<b>2000</b> 0.80	<b>4000</b> 0.70	$\alpha_w$ 0.70	<b>NRC</b> 0.70
	*Tested to AS/ISO 354: 2006 Acoustics-Measurement of sound absorption in a reverberation room. Air gap type E-400									
<b>Ceiling flanking noise</b>	<b>Thickness</b> 19 mm			<b>CAC</b> 34						
	*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> 19 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).									
<b>Cleanroom</b>	<b>Thickness</b> 19 mm			<b>Class</b> 3						
	*Tested to the principal requirements in accordance ISO 14644.1:2015 and the tile meets Cleanroom Class 3.									
<b>Sizes</b>	<b>Thickness</b> 19 mm			1200 x 600 mm, 600 x 600 mm (other sizes available on indent)						
<b>Weight</b>	5.3 kg/m <sup>2</sup>									
<b>Density</b>	100 kg/m <sup>3</sup> (40 mm)									
<b>Edge details</b>	Square edge, reveal edge									
<b>Light reflectance</b>	80% + *Tested to ASTM E1477-98 standard test method									
<b>Colour</b>	White									
<b>Thermal resistance</b>	0.475 m <sup>2</sup> K/W (40 mm) (calculated)									
<b>Antimicrobial</b>	*Tested to ISO 22196: 2011 standard test method									
<b>Sustainability</b>	Mineral Fibre - Made with 76% Recycled Content.  Post Industrial Total 70%- Slag wool 45%, Dust Sludge from ceiling tile production 25%, Post Consumer Total 6%- Recycled paper 6%, Reused materials- Mineral wool (by product of steel production), volcanic silicate, newsprint. Recycled materials- Mineral wool during the manufacturing process (preconsumed) and re collection from building/house demolition sites (postconsumed) newsprint									
<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 on request.