

# PHONIC

ACOUSTIC CEILING TILES

# PHONIC DAI LOTONE

T&G Staple and Glue Direct Fix Ceiling Tile



High Absorption



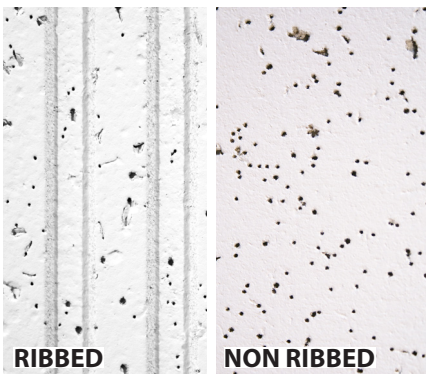
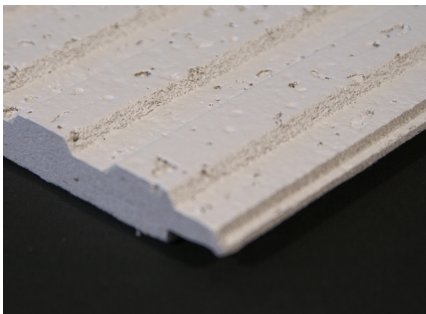
Hygrothermal



Fire Test- Group 1S



Mineral Fibre



RIBBED

NON RIBBED



**30**  
YEAR  
warranty

## PRODUCT SUMMARY


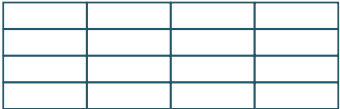

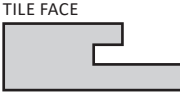
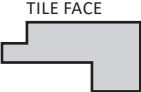
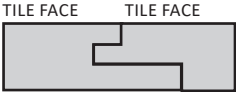
Phonic Dai Lotone is a high density tongue and groove mineral fibre ceiling tile with a white painted finish designed for direct fix applications to new and existing gypsum board or timber battens. No additional painting required.

- Phonic T&G ceiling tiles have superior noise absorption. A mid-range tile.
- Phonic Dai Lotone Ceiling tiles are manufactured to produce porous properties with a low specific gravity and therefore exhibits efficient thermal insulation and sound absorption qualities, while resisting sound transmission more effectively than glass fibre products.
- Effective thermal insulation (more than 6 times gypsum board).
- Due to its high density and fine grained substrate, Phonic can achieve unique and high quality detailing in their tiles. This is reflected in the Rib 501 pattern.
- Phonic T&G ceiling tiles have outstanding fire resistance. Phonic Mineral Fibre Acoustic Ceiling materials are not only non-combustible but is less likely to emit gas or smoke, or to melt, break or become deformed under normal fire conditions.
- 30 year lifetime system warranty to withstand conditions up to 40° - 98% relatively humidity without visible sag.

## EMISSIONS, SUSTAINABILITY AND THE ENVIRONMENT

For Green Star rated projects, Phonic meets the Greenguard Emission Certificate standard.



GENERAL TEST DESCRIPTION	RESULT	TEST METHOD
Absorption (Direct Fix)	NRC 0.45	ASTM C423
	SAA 0.58	ASTM C423
	$\alpha_w$ 0.45	ISO 11654: 1997
(On 35mm Battens)	NRC 0.50	ASTM C423
Attenuation	CAC Depends on existing ceiling	ASTM E 413
Light Reflectance	LR 1 (over 80%)	ASTM C 523
Weight	Rib: 3.65kg/m <sup>2</sup>	Non Rib: 2.72kg/m <sup>2</sup>
Moisture Content	1.5%	JIS A 6307
Thermal Conductivity	0.045 kcal/mh °C	JIS A 1412
Est. R-Value (m <sup>2</sup> k/w)	9mm: R0.2    12mm: R0.25	
Fire Test - ISO 5660 Part1	Group 1-S 	Cone Calorimeter NZBC C/VM2 Appendix A
Size	Non Rib: 9mm Depth x [606x303]	Rib: 12mm Depth x [606x303]
	*Other sizes available on request.	
Colour	White	
Installation	<p>Tiles should be installed in accordance with the manufacturers / distributors recommendations. The use of clean hands or gloves is recommended when installing tiles. We recommend the ashlar pattern for aesthetic appeal and ease of installation.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Line Through Pattern</p> </div> <div style="text-align: center;">  <p>Ashlar Pattern</p> </div> </div>	
Edge Detail	<p>Tongue and Groove</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>TILE FACE</p> </div> <div style="text-align: center;">  <p>TILE FACE</p> </div> <div style="text-align: center;">  <p>TILE FACE    TILE FACE</p> </div> </div>	

## INGREDIENTS

**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.