T&R INTERIOR SYSTEMS

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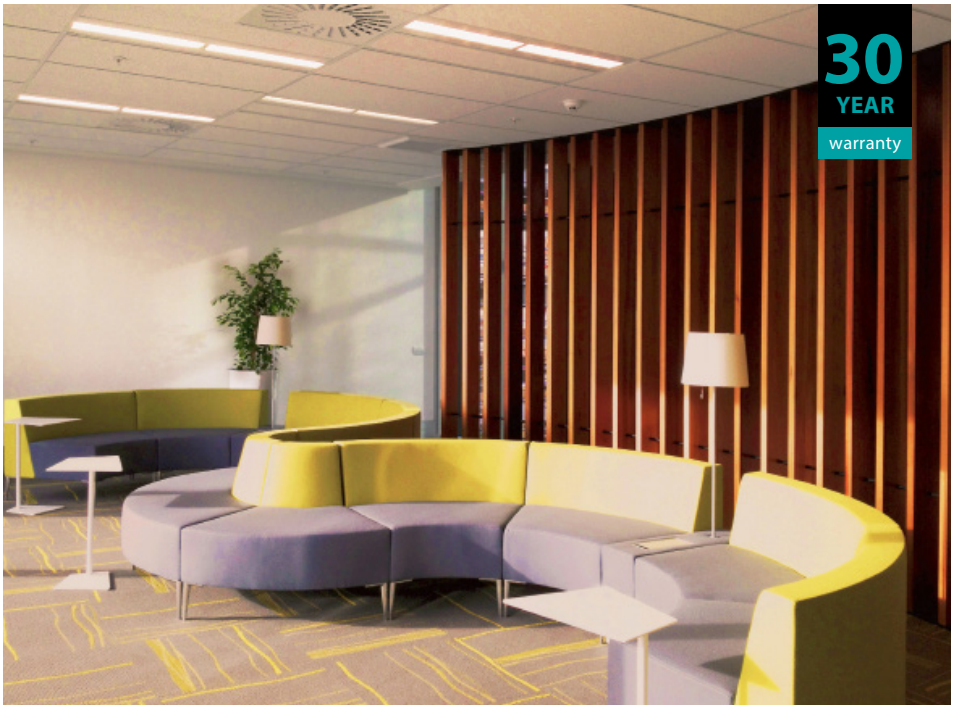
PHONIC
ACOUSTIC CEILING TILES

PHONIC NDF

Mineral Fibre Suspended Acoustic Ceiling Tile

High Absorption | Hygrothermal | Fire Test- Group 1S | Mineral Fibre



PRODUCT SUMMARY

The invention comprises two layers of material that are flexibly attached together with an air gap in between. This allows Phonic NDF Mineral Fibre Acoustic ceiling tile has a non-directional fissured clean white surface.

- Phonic NDF has a medium Noise Reduction Coefficient and medium Ceiling Attenuation Class to help reduce reverberation time and to prevent sound transfer through the ceiling plenum
- NDF is the most economical tile in the Phonic range.
- The NDF tile has been used in NZ for twenty years and is still available for supply and ongoing maintenance. They are favoured for their durability and ease of handling.
- This is the ceiling contractors most favoured commodity panel.
- Phonic Mineral Fibre Ceiling tile materials are not only non-combustible but also 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° - 99% relative humidity without visible sag when used with a T&R Interior Systems brand suspension system.

EMISSIONS, SUSTAINABILITY AND THE ENVIRONMENT

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

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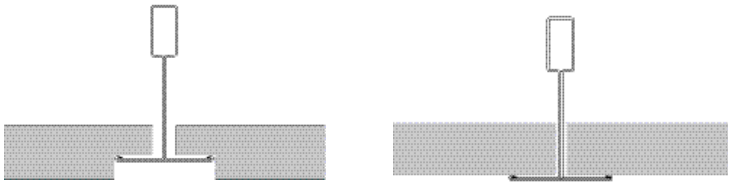
GENERAL TEST DESCRIPTION	RESULT	TEST METHOD
Absorption	NRC 0.55-0.60	ASTM C432
Attenuation	CAC 36	ASTM C432
Weight	15mm: 4.2kg/m^2	
Light Reflectance	LR 1 75% +	ASTM C523
Fire Test - ISO 5660 Parts 1&2	Group 1-S	BRANZ Cone Calorimeter NZBC C/AS1- AS27
Relative Humidity	RH 99%	
Moisture Rate	≤ 1 %	JIS A 1412
Est. R Value	R0.3	
Size	15mm Depth Square Edge x [1200x600], 15mm Depth Reveal Edge x [1200x600] [600x600] To suit 15mm or 24mm grid patterns. Other sizes available on request.	
Colour	White	
Edge Detail	 Reveal Edge Square Edge	

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.