

PHONIC

ACOUSTIC CEILING TILES

PHONIC IMPACT COMBO +

High Performance Acoustic Sports Tile



Indent Item



High Attenuation



High Absorption



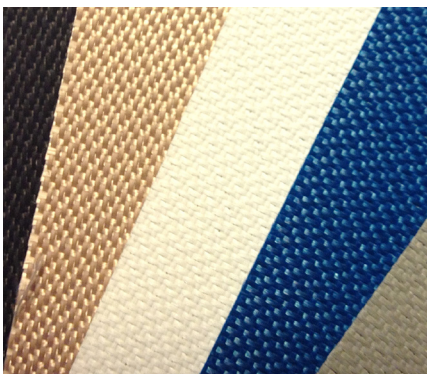
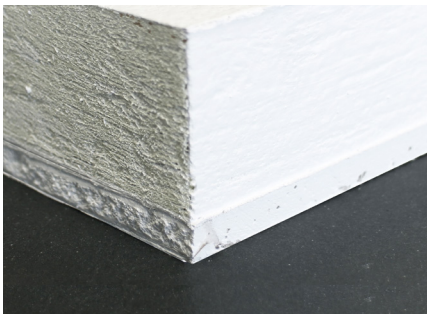
Fire Test- Group 1S



Glasswool



Mineral Fibre



PRODUCT SUMMARY

- The Phonic Impact Combo + Sports Sound Panel is thick glasswool tile with a strong impact-resistant fibre glass face and an attenuating layer behind (this is adhered on site). This combination results in a tile with an extremely high Noise Reduction Coefficient (NRC) combined with a high Ceiling Attenuation Class (CAC).
- The tile has exceptionally high acoustic properties for both absorption and attenuation: the high Noise Reduction Coefficient (NRC) will reduce reverberation time and the mineral fibre backer blocks noise from the ceiling plenum (such as rain noise). This is an ideal tile for gymnasiums where sound transfer is a concern.
- Due to its unique strong impact resistant fibre glass face, it is ideal for gymnasiums, sports centres, schools and community halls. It can withstand significant impact. Suspend Phonic Impact Combo + Sports tiles in a standard CBI two way grid system. Use custom Robo clips to prevent tiles from dislodging.
- This product is constructed from 90% dry felt resin bonded glasswool, utilising longer fibres in a compact fibre arrangement. The non-absorbent, non-water soluble design gives Phonic Impact improved durability when compared to mineral fibre.
- Can be ink-jet printed with custom designs and logos. Available in a selection of colours on indent – standard colour is white.

EMISSIONS, SUSTAINABILITY AND THE ENVIRONMENT

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


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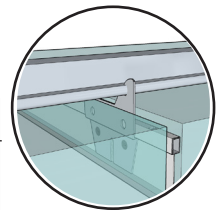
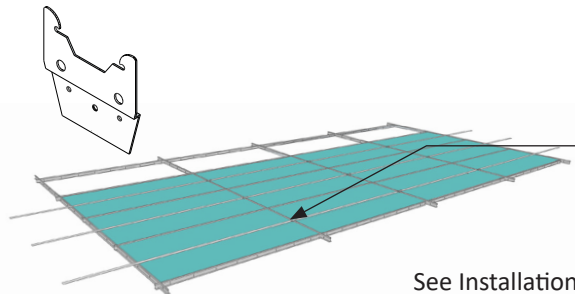
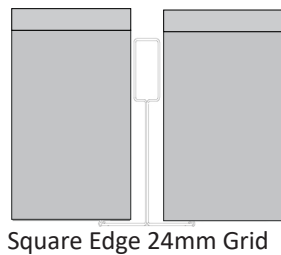
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GENERAL TEST DESCRIPTION	RESULT	TEST METHOD
Absorption (ISO 354)	NRC 0.90	ASTM 432-17
	SAA 1.02	ASTM 423-17
	α W 0.85	ISO 11654 -2002
Attenuation (ASTM E1414-11A)	CAC 46	ISO 717-1
	$D_{n,c,w}$ 42	ASTM E413-10
Light Reflectance	LR >85% +	(white panel only)
Density	38mm Glasswool: 100kg/m ³	15mm Mineral fibre: 280kg/m ³
Combined Weight	8.2/m ²	
Fire Test - ISO 5660 Parts 1&2	Group 1-S	Cone Calorimeter
		NZBC C/AS1-AS27
Size	Available on indent- MOQ and lead times apply 53mm depth, Square Edge [600x1200], [600x600] Other sizes available on request.	
Colour	White, Black, Blue, Grey, Caramel	
Installation	Designed to fit into a standard 24mm two way exposed grid. Use Robo Clip detail to prevent tiles from dislodging.	

Edge Detail



Robo Clip

See Installation guide for details

INGREDIENTS

Glasswool

Fibreglass tissue face with acrylic resin (back and front of tile) 7-10% - Fibreglass (Glasswool) 80-85%, Acrylic resin 15-20%, **Acoustic board 70-80%** - Glasswool 88-89%, Phenolic resin 11-12%, **Water-based paint 20-25%** - Acrylic emulsion 10-15%, Inorganic filler (Kaolin, Calcium carbonate) 40-55%, Environmentally friendly flame retardant 15-25%, A variety of additives (Dispersant, Leveling agent; from Polycarboxylate ammonium salt, EGBE-Ethylene glycol monobutyl ether, Water) 3-5%, Ion water 15-20%, **Glue 2-4%** - Acrylic resin 50-55%, Ion water 45-50%.

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.