

HushTex Acoustic Surfaces

HushTile Ceiling Tile

HushTile Ceiling Tiles are a 100% polyester ceiling tile engineered for superior sound absorption and balanced acoustic design. Designed to fit into standard grid systems allowing ease of specification.

HushTex products are made from polyester (which is recyclable) and manufactured under strict Environmental Management System (EMS). HushTile Ceiling Tiles contain a minimum of 60% post-consumer recycled material (PET bottle-flake), and can be recycled at end of life.

Key Benefits

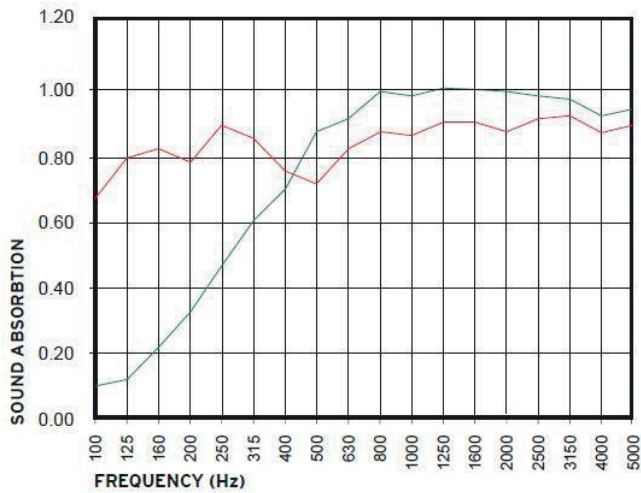
- HushTex Ceiling Tiles are made from 100% polyester fibre without chemical binders or retardants
- Manufactured using a minimum of 60% already recycled polyester fibre; made from post-consumer waste
- Highly durable providing long-term stability and performance
- Excellent acoustic performance
- Safe, non-irritant and non-allergenic
- Light-weight and easy to handle and install
- Manufactured under ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems
- Non-toxic and made without chemical binders common to mineral fibre tiles
- Non-perforated slightly textured finish
- High light reflectance (83%)
- Damage resistant from moderate impact, and chip, crack and puncture resistant
- High NRC (0.85) and high absorption in low frequencies for balanced acoustic design



Technical Specifications

Product Name	HushTex® Ceiling Tile
Edge Detail	Square edge
Colour	White
Panel Size	595mm x 595mm 595mm x 1195mm
Thickness	25mm
Weight (gsm)	2300gsm
Composition	100% polyester fibre (PET)
Recycled Content	Minimum 60% post-consumer recycled content (PET bottle flake)
Packaging	595mm x 595mm : 24 Tiles = 8.50m ² 595mm x 1195mm : 12 Tiles = 8.50m ²
Light Reflectance	ASTM 5036 : 83%
Sound Absorption	NRC 0.85 (ASTM C423 - 99)
Thermal Resistance	0.64m ² K/W at 15°C (R0.64) 0.62m ² K/W at 23°C (R0.62)

Acoustic Performance



Frequency (Hz)	25mm Panel (Direct fix)	25mm Panel (Suspended system)
Report ref.	AKL UNIVERSITY T0712-18	AKL UNIVERSITY T0814-5
125	0.12	0.80
250	0.47	0.90
500	0.88	0.72
1000	0.98	0.87
2000	0.99	0.88
4000	0.93	0.88
NRC	0.85	0.85

Sound Privacy

CAC (dB): 17 +/- 5 D (dB): 15 +/- 5
 Marshall Day Acoustics, 24 March 2011 (Report Number Rp001 2011084A)

Back Loading

None. All loads to be independently supported, or transferred to the grid. Grid loading should be to NZS 1170.

Accessibility

Tiles are demountable.

Fire Ratings

AS1530.3
 Spread of Flame Index (0-10) 0
 Smoke Developed Index (0-10) 3
 Tested 4 May 2006, APL (Report Number 06069)
 AS/NZ 3837:1998
 BCA Classification: GROUP 3
 Average Specific Extinction Area: 546.3m²/Kg
 Tested 26 April 2007, AWTA (Report Number 7-551955-CO)

Environmental

Manufactured to Quality and Environmental best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems. HushTex products contain a minimum of 60% previously recycled polyester fibre (from PET bottle-flake) ensuring comparatively low embodied energy. Off-cuts and manufacturing waste is reused or recycled wherever possible.

Uncontaminated HushTile Ceiling Tiles can be recycled. HushTile Ceiling Tiles are manufactured from 100% polyester fibres and do not contain formaldehyde binders. The fibres will not become a potential airborne pollutant and will support safer indoor air quality.

Panel Care

Blot spills from panel quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the panel finish. Use carpet or upholstery shampoo as directed. Blot with a clean dry cloth after each application of solution. For assistance please contact your HushTex Representative.

Moisture Absorption

Polyester fibre when exposed to an atmosphere of 50°C at 90% relative humidity for four days showed moisture absorption of less than 0.03% by weight. Polyester is not affected by moisture, mould or mildew and will not rot or deteriorate in intended use situations.

Service

For further information about HushTile Ceiling Tiles or any other HushTex products please contact us.

