

Quietspace® 3D Tile is manufactured by Autex Industries Ltd and Autex Pty Ltd under an ISO 9001 accredited Quality Management System. The product is guaranteed to be free from manufacturing defects and carries a Manufacturer's Guarantee for a period of no less than ten years to meet all of the performance properties stated within this guarantee.

Product Name	Quietspace® 3D Tile
Description	100% polyester thermally moulded, needle punched tile
Tile Dimensions	Classic: 575mm x 575mm S-5:50: 575mm x 287.5mm
Thickness	Tiles range from 25mm to 140mm. Refer to individual product Datasheets for specific thickness values.
Weight	1200gsm

Composition
100% polyester fibre from polyethylene terephthalate (PET). Quietspace® 3D Tiles contains a minimum of 60% recycled polyester fibre.

Suitable applications
Decorative and functional acoustic tile for retail, education, hospitality and commercial interiors.

Colour Fastness to Light
Quietspace® 3D Tile is suitable for indoor use only. Colour and light-fastness are dependent on use and exposure.

Fire Ratings (Testing results for 6mm Workstation)

ISO 9705: 1993
Classification: Group 1-S
Smoke Production Rate: <5.0m2/s
As required by NZBC C/VM2

AS ISO 9705 - 2003
Classification: Group 1
(SMOGR_{Arc}): <100m2/s2
As required by BCA C1.10
FI 4974 dated 16th September, 2012

EN13501-1:2007+A1:2009
B - s1, d2
Report WF 336913 dated 19th March, 2014 (6mm Workstation)

ASTM E-84
Class A, FS:0 - SD:10
RJ3297-10 - 13th June, 2014

Finish
Non-woven. No pattern repeat but fabric has a directional grain. Product may vary from samples and batch to batch due to fibre blending and lay-up which is an inherent feature of this product.

Toxicity
Polyester is classed as no more toxic than wood under the state of New York Article 15 part 1120. Polyester is pH7.8 (where pH7.0 is neutral), resistant to biological, bacterial or vermin attack.

Acoustic Performance
Quietspace® 3D Tile is specifically designed to reduce and control reverberated (echo) noise in building interiors.

Minimum Noise Reduction Coefficient (NRC): 0.75

Preliminary Acoustic testing to ASTM C423-99. University of Auckland Testing Service
Workstation 6mm - Test No. 10712

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
αp without AAB	0.15	0.45	0.65	0.90	0.90	0.80	0.75
αp with AAB*	0.25	0.60	0.85	1.00	0.95	0.80	0.90

*Results with the addition of Autex AAB 35-25 polyester absorber inserts in back of tiles.

Physical description / properties

Boiling Point:	N/A
Melting Point:	230°C
Vapour Pressure:	N/A
Specific Gravity:	Polyester 1.38
Flash point:	N/A
Explosive limits:	N/A
Solubility in water:	Not soluble
Alkalinity:	pH 7.8
Relative Vapour Density:	N/A

Care and Maintenance
Maintain in accordance with the Care and Maintenance Guide available for this product.