

QuietSpace® 25, 50, 75, 100

PRODUCT DESCRIPTION

- QuietSpace® 25 & 50 acoustic wall and ceiling panels offer superior sound absorption for large spaces.
- Safe to hang as baffles from ceiling structures.

PHYSICAL PROPERTIES

Name	Thickness (mm)	Width x Length (mm)	Weight per panel (g/m ²)	Material
QuietSpace®	25mm, 50mm, 75mm, 100mm	1200x2400mm	25mm: 2300g/m ² 50mm: 2800 g/m ² 75mm: 4050 g/m ² 100mm: 4300 g/m ²	100% high density polyester fibres (PET) (up to 60% recycled content)

MEASURED VALUES

Frequency (Hz)	125	250	500	1000	2000	4000
Sound absorption coefficients (25mm)	0.15	0.45	0.85	1.00	1.00	0.95
Sound absorption coefficients (50mm)	0.30	0.75	1.10	1.10	1.05	1.00
Sound absorption coefficients (75mm)	0.50	0.90	1.05	1.05	0.95	0.90
Sound absorption coefficients (100mm)	0.65	1.00	1.05	1.00	0.95	0.90

IN ACCORDANCE WITH THE FOLLOWING STANDARDS

- ISO 7892:1988 (Impact resistance testing)
- ISO 9705:1993 (fire rating)
- AS ISO 9705:2003 (fire rating)
- EN13501-1:2007 (fire rating)
- EN13501-1:2007+A1:2009 (fire rating)
- ASTM E84 – 14 (fire rating)
- ASTM 5036:83 (weatherability)
- ASTM G21-15 (microbial resistance)

GENERAL PHYSICAL PROPERTIES

QuietSpace®	
Tolerance	(+/- 6%)
Tolerance	(+ 5mm) x (+ 10mm)
Fire class/fire hazard properties	Group 1-S Smoke production rate: <5.0m ² /s Group 1 SMOGRArc: <100m ² /s ² 25mm: B-s2, d0 50mm: B-s2, d2 Class A, FS:0 – SD:10 (1" QuietSpace® Panel)
Impact Resistance	Class 1A (not adversely affected at impact velocities over 16.5m/s)
Water Vapour Sorption	Test conditions: 49°C, 95%RH Water vapour absorbed and adsorbed after 4 days: 0.4% by weight
Microbial Resistance	Growth rating: 0 (No growth)
VOC concentration	0.01mg/m ³
Weatherability	Suitable for indoor use only
NRC (Noise Reduction Coefficient)	25mm: 0.85 50mm: 1.00 75mm: 1.00 100mm: 1.00
Sound Absorption Class	25mm: Class C 50mm: Class A

