

Echostop[®]

SOUND ABSORPTIVE DECORATIVE PLASTERBOARD

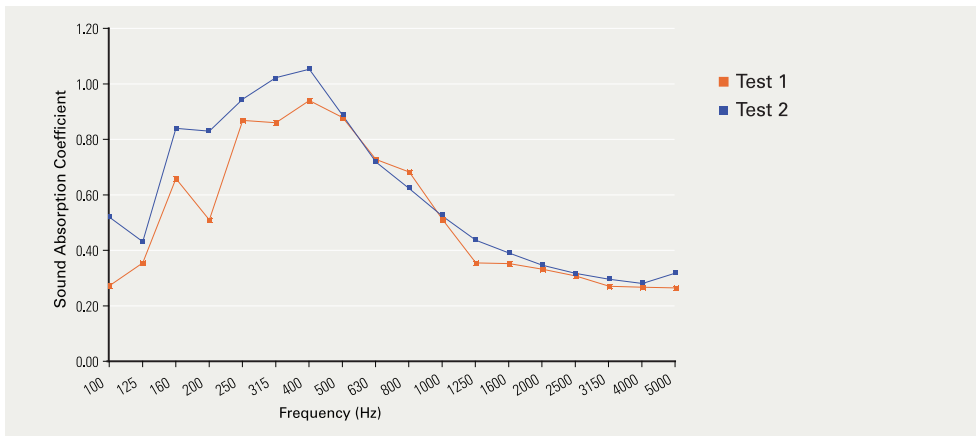
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PRODUCT DATA SHEETS

Perforated Plasterboard 6mm Round Hole

Sound Absorption

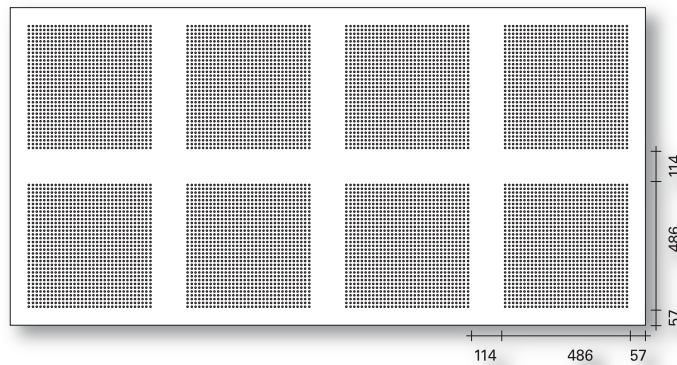
Acoustic Absorption 1/3 Octave Band Data - 6mm Round Hole Pattern



Specification: 6mm round hole

Board details:

- open area 8.55%
- acoustic fabric backing
- pattern 33 x 33 hole, 8 patterns/sheet
- sheet size 12.5mm x 1200mm x 2400mm
- product code: **13PP6RH1224**.



Sound Absorption Coefficients

1/3 Octave Band Sound Absorption Coefficient α_w at Frequency (Hz) 6mm Round Hole

Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Test 1	0.27	0.35	0.66	0.51	0.87	0.86	0.94	0.88	0.72	0.68	0.51	0.35	0.35	0.33	0.30	0.27	0.26	0.26
Test 2	0.52	0.43	0.84	0.83	0.94	1.02	1.05	0.88	0.72	0.62	0.52	0.43	0.39	0.34	0.31	0.29	0.28	0.32

Test Details

Test	Plenum	Insulation	NRC	α_w
1	50mm plenum	70mm glasswool insulation, 13kg/m ³	0.65	0.40
2	100mm plenum	70mm glasswool insulation, 13kg/m ³	0.65	0.40

Test Reference: 1. - RMIT 1211/08-243/PD | 2. - RMIT 1211/08-248/PD