

Echostop[®]

SOUND ABSORPTIVE DECORATIVE PLASTERBOARD

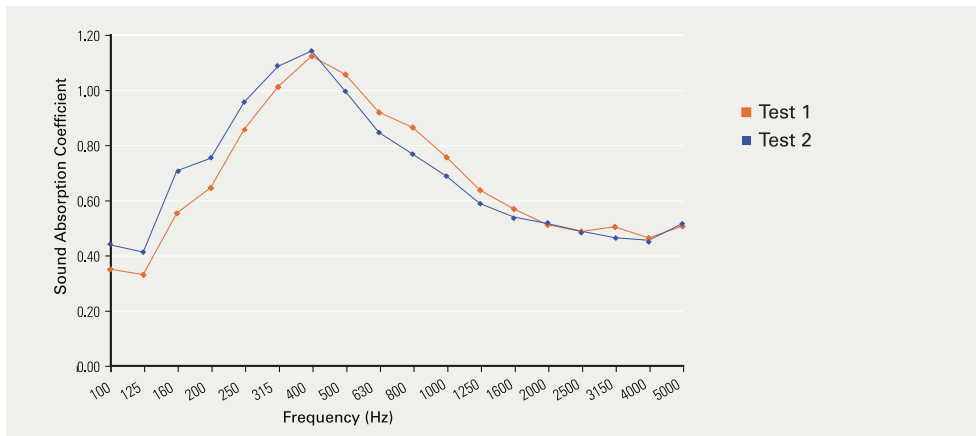
creating better living

PRODUCT DATA SHEETS

Perforated Plasterboard 12mm Square Hole

Sound Absorption

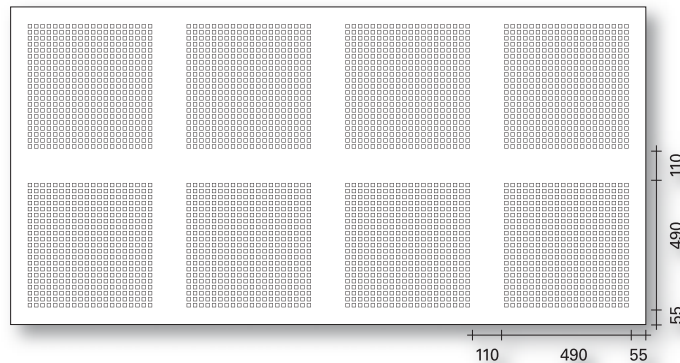
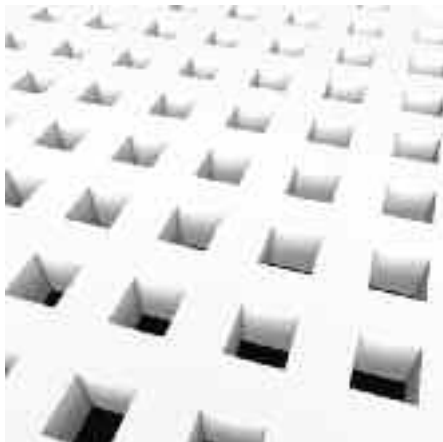
Acoustic Absorption 1/3 Octave Band Data - 12mm Square Hole Pattern



Specification: 12mm square hole

Board details:

- open area 16.0%
- acoustic fabric backing
- pattern 20 x 20 hole, 8 patterns/sheet
- sheet size 12.5mm x 1200mm x 2400mm
- product code: **13PP12SH1224**.



Sound Absorption Coefficients

1/3 Octave Band Sound Absorption Coefficient α_w at Frequency (Hz) 12mm Square Hole

Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Test 1	0.34	0.32	0.54	0.63	0.84	1.00	1.11	1.04	0.91	0.85	0.74	0.62	0.55	0.50	0.47	0.49	0.45	0.49
Test 2	0.42	0.40	0.69	0.74	0.94	1.07	1.13	0.98	0.83	0.75	0.67	0.57	0.53	0.50	0.47	0.45	0.44	0.50

Test Details

Test	Plenum	Insulation	NRC	α_w
1	50mm plenum	70mm glasswool insulation, 13kg/m ³	0.80	0.60
2	100mm plenum	70mm glasswool insulation, 13kg/m ³	0.75	0.55

Test References: 1. - RMIT 1211/08-242/PD | 2. - RMIT 1211/08-247/PD