

ABSORPTION

D1522 WITH ACOUSTIC PAD AND PLASTERBOARD



TESTING SPECIFICATION

Panel Specification: 600mm wide perforated ceiling panel

Perforation: D1522

Acoustic Infill: 16x80kg/m³ Acoustic Pad with 12.5mm Plasterboard

Void Depth: 400mm

Test Reference: L/3052 - 7

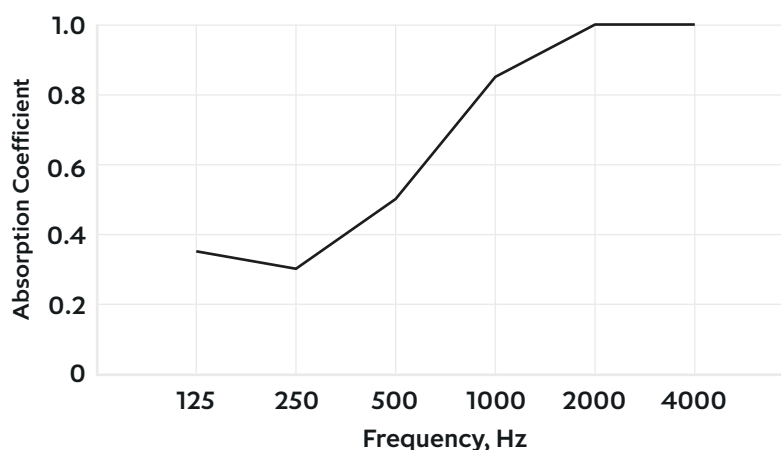
Test Date: 27/06/2007

Test Method: BS EN ISO 354:2003

RESULTS

Practical Sound Absorption Coefficient, α_p :

Freq (Hz)	α_p
125	0.35
250	0.30
500	0.50
1000	0.85
2000	1.00
4000	1.00



Single Figure Rating, α_w : 0.55(MH) (In accordance with BS EN ISO 11654: 1997)

Sound Absorption Class: Class D

Single Figure Rating, NRC: 0.65 (In accordance with ASTM C423-01)

Sound Absorption Average, SAA: 0.66 (In accordance with ASTM C423-01)

During testing, absorption coefficients occasionally reach values greater than unity. Theoretically this is impossible by definition. These anomalies occur due to diffraction of the impinging sound waves at the edges of the test samples. In practical terms this is insignificant. Absorption coefficients greater than unity are assumed to be unity and reported as such.

Data shown has been extracted from tests sponsored by and undertaken on behalf of SAS International Limited by a UKAS accredited independent laboratory. The results shown can only be considered to be indicative of the system. They are a reflection of the prevalent environmental conditions at the time of testing only. These results should not be considered as an infallible assessment of the Project specific requirements. Project environmental factors may differ considerably to the test environment and should not be considered to be equal or equivalent.