ACOUSTIC STATEMENT

ABSORPTION (BAFFLES)

Test reference : AB/9 16655BA

Sponsor : SAS International

Date : 4th December 2009

Test method : BS EN ISO 354:2004

Panel specification: 300mm deep x 50mm wide perforated acoustic baffles at 300mm centres.

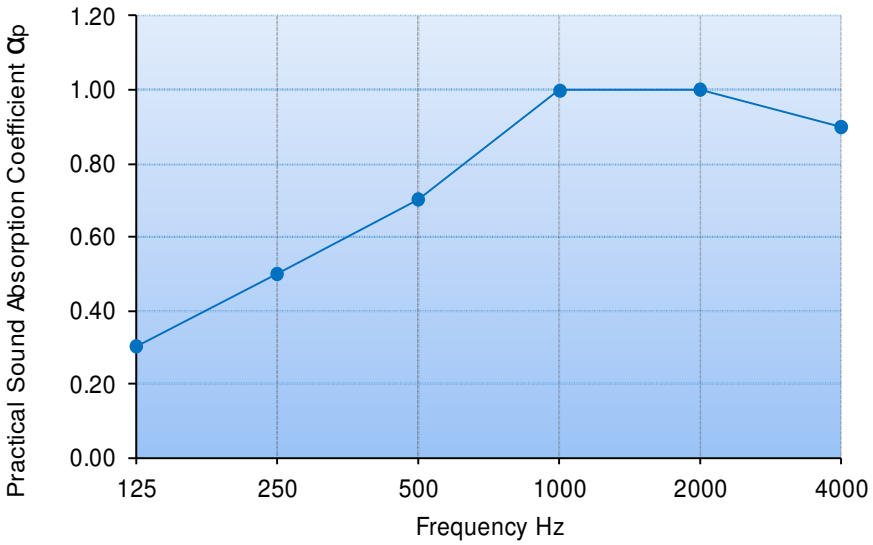
Perforation : 1522 (1.5Ø holes, 22% free area) with 10mm plain borders.

Acoustic infill : 50mm x 80kg/m³ Mineral wool wrapped in a black tissue.

Void depth : 50mm

RESULTS

Freq (Hz)	α_p
125	0.30
250	0.50
500	0.70
1000	1.00
2000	1.00
4000	0.90



Single figure rating : $\alpha\omega$ **0.75**(MH) In accordance with BS EN ISO 11654: 1997

Sound Absorption Class : Class **C**

Single Figure Rating : NRC **0.80** In accordance with ASTM C423-01

*It is occasionally found that the absorption coefficient *derived reaches a value greater than unity. This is theoretically impossible by definition, and after investigation, it has been shown that this anomaly is due to diffraction of the impinging sound waves at the edges of the tested sample. In practical terms this is insignificant and for this reason absorption coefficient, greater than unity, are assumed to be unity and are reported as such.*

Please note that data shown has been extracted from tests sponsored by and undertaken on behalf of SAS International by a UKAS accredited independent laboratory. Results shown reflect the prevalent environmental and testing conditions and should only be considered as an accurate assessment of the Project specific requirements.