

Sound Absorption

Tested in accordance with; BS EN ISO 354:2003 / 11654:1997 / ASTM C423-01

| Perforation | Acoustic Inlay | α_w | NRC | 125 | 250 | 500 | 1000 | 2000 | 4000 | Class |
|-------------|---|------------|------|------|------|------|------|------|------|----------|
| 1522 / 1820 | 16mm 80kg/m ³ | 1.00 | 1.00 | 0.60 | 0.95 | 0.90 | 1.00 | 1.00 | 1.00 | A |
| | 6mm 80kg/m ³ + 12.5 plasterboard | 0.55 | 0.65 | 0.35 | 0.30 | 0.50 | 0.85 | 1.00 | 1.00 | D |
| | 6mm 80kg/m ³ | 0.75 | 0.80 | 0.65 | 0.8 | 0.70 | 0.75 | 0.9 | 1.00 | C |
| | Fleece | 0.80 | 0.80 | 0.55 | 0.95 | 0.75 | 0.80 | 0.85 | 0.85 | B |
| Ultramicro | 16mm 80kg/m ³ | 0.90 | 0.90 | 0.60 | 0.90 | 0.85 | 1.00 | 1.00 | 0.75 | A |
| | Fleece | 0.65 | 0.65 | 0.55 | 0.55 | 0.65 | 0.65 | 0.65 | 0.5 | C |

Sound Attenuation

Tested in accordance with; BS EN ISO 20140-9:1994 / 717-1:1997

| Perforation | Acoustic Inlay | Dn,c,w | Dn,f,w | 125 | 250 | 500 | 1000 | 2000 | 4000 | - |
|-------------|---|--------|--------|------|------|------|------|------|------|---|
| 1522 / 1820 | 16mm 80kg/m ³ | 27 dB | - | 11.1 | 19.5 | 24.0 | 26.9 | 29.9 | 36.2 | - |
| | 6mm 80kg/m ³ | 21 dB | - | 7.3 | 16.2 | 18.6 | 21.0 | 22.8 | 26.1 | - |
| | 6mm 80kg/m ³ + 12.5 plasterboard | 45 dB | - | 23.1 | 37.0 | 41.4 | 47.6 | 52.0 | 55.2 | - |
| | Fleece | - | 15 dB | 12.2 | 13.5 | 15.2 | 13.9 | 14.6 | 15.3 | - |
| 1522 / 1820 | 6mm 80kg/m ³ + backing plate | 39 dB | - | 18.6 | 31.2 | 32.8 | 41.0 | 48.3 | 54.9 | - |
| Plain | None | 43 dB | - | 23.1 | 33.9 | 40.2 | 45.7 | 50.1 | 46.5 | - |

Notes

- All SAS products are tested independently by a UKAS accredited laboratory.
- Acoustic data is available for other tile configurations, please contact our technical team for more information
- System 130 15/08 can accept acoustic inlay upto a maximum of 6mm thick.
- System 130 15/16 & 25/16 can accept acoustic inlay upto a maximum of 16mm thick.
- System 130 15/19 can accept acoustic inlay upto a maximum of 19mm thick.
- 6mm 80kg/m³ + 12.5mm plasterboard to suit Alugrid 15/19 only.
- It is recommended suspension hangers and emac channels are fixed at 1200mm maximum centres