

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
1511		0.85	0.85	0.55	0.85	0.75	0.95	1.00	0.80	B
Ultramicro		0.60	0.70	0.60	0.40	0.65	1.00	0.70	0.40	C
1522 / 1820	16mm 80kg/m ³ + Backing Plate	0.55	0.65	0.40	0.35	0.50	0.80	1.00	1.00	D
1522 / 1820	Fleece	0.80	0.80	0.55	0.95	0.75	0.80	0.85	0.85	B
1511		0.80	0.80	0.55	0.95	0.75	0.80	0.85	0.80	B
Ultramicro		0.65	0.65	0.55	0.55	0.65	0.65	0.65	0.50	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	-	15.0	16.3	26.8	32.4	35.9	39.9	-
Ultramicro		33 dB	-	19.2	22.7	28.5	33.1	43.2	47.4	-
1522 / 1820	16mm 80kg/m ³ + Backing Plate	41 dB	-	23.6	31.2	36.1	48.0	56.4	58.6	-
1522 / 1820	Fleece	13 dB	-	11.7	15.1	14.8	12.1	12.9	13.0	-
Ultramicro		18 dB	-	14.4	18.1	17.2	16.4	19.1	23.3	-

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 150 can accept acoustic inlay upto a maximum of 18mm thick
- It is recommended suspension hangers and emac channels are fixed at 1200mm maximum centres for tiles with backing plates
- 16mm 80kg/m³ + Backing Plate is only available for 500x500 and 600x600 tiles only