SAS International
Acoustic Performance Datasheet
Revision: 4 Date:05/04/2018

Acoustic Performance
System 310

Sound Absorption

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

Perforation	Acoustic Inlay	αω	NRC	125	250	500	1000	2000	4000	Class
1522 / 1820	16mm 80kg/m³	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	16mm 80kg/m³	0.90	0.90	0.60	0.90	0.85	1.00	1.00	0.75	**A**
1522 / 1820	16mm 80kg/m³ + 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**
Plain	None	-	-	-	-	-	-	-	-	**-**

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/m³	27 dB	-	11.1	19.5	24.0	26.9	29.9	36.2	-
Ultramicro		33 dB	-	19.2	22.7	28.5	33.1	43.2	47.4	-
1522 / 1820	16mm 80kg/m³ + Backing Plate	41 dB	-	20.7	31.3	35.3	47.9	55.9	59.3	-
1522 / 1820	Fleece	-	15 dB	12.2	13.5	15.2	13.9	14.6	15.3	-
Ultramicro		18 dB	-	14.4	18.1	17.2	16.4	19.1	23.3	-
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 availble for other tile configurations, please contact our technical team for more information*
- *System 310 can accept acoustic inlay upto a maximum of 16mm thick as standard. Thicker pads are availble, please enquire for more information*
- *It is recommended emac channels are fixed at 800mm maximum centres for tiles with backing plates*