



SoftSound AKoostiq®

AKoostiq is a lightweight, polyester fibre product. It exhibits excellent fire resistance properties and as such does not flame or emit toxic fumes. Due to its excellent thermal and acoustic properties, it has countless applications including acoustic baffles and acoustic wall panels.



Key Features and Benefits

- Excellent fire performance and thermal properties
- Class A absorber at 40mm thickness
- Euroclass B fire rating
- Lightweight
- Available in a selection of fabrics
- Can be cut to bespoke shapes and sizes

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Applications

- Acoustic Wall panels
- Acoustic ceiling panels
- Louvres and baffles
- Studios and offices
- HVAC equipment
- Railway and automotive applications

Colour and Finish

Cara, Lucia and Lucia CS fabric ranges are available as standard in a wide range of colours. Alternatively, AKoostiq can be covered with a client's own choice of fabric, subject to it being of a suitable quality and having the required acoustic

properties.

Operating Temperature

Suitable for use at normal building temperatures.

Fire Performance

Achieves Euroclass B-s1, d0 for BS EN 13501-2

Availability

AKoostiq is available plain, or with a wide range of facings.

Technical Advice

Highly qualified building and acoustic consultants are available to offer assistance and advice to clients, architects and contractors on all aspects of noise control to ensure design specifications and acoustic performance requirements are achieved. They can also undertake noise surveys and provide details of anticipated reverberation times pre and post installation.

Thermal Conductivity

0.035 W/mK @ 10°C

Tensile Strength

Specimen	AKoostiq HD		
	Thickness (mm)	Width (mm)	Tensile Stress at Maximum Load (MPa)
1	2.31	10.25	20.6
2	2.33	10.21	20.1
3	2.34	10.16	20.5
4	2.36	10.23	20.4
5	2.30	10.19	21.5
Mean			20.6
Std. Deviation			0.5

Tested in accordance with BS EN ISO 527-2: 2012

Impact Resistance

Specimen	Akoostiq HD	Impact Resistance
	Observations	
1	No visible signs of damage, such as cracking, splitting or delamination	≥8.5 N/m
2	No visible signs of damage, such as cracking, splitting or delamination	≥8.5 N/m
3	No visible signs of damage, such as cracking, splitting or delamination	≥8.5 N/m

Tested in accordance with BS EN 1517: 2000

Dimensions and Weight

Thickness (mm)	Panel Weight (kg/m ³)
25	72
30	63
40	53
50	48

Acoustic Performance

Thickness (mm)	Sound Absorption Coefficient (BS EN ISO 354)						* Absorber Class
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
25	0.18	0.41	0.73	0.94	1.00	1.00	C
30	0.29	0.63	0.95	1.00	1.00	1.00	B
40	0.40	0.73	1.00	1.00	1.00	1.00	A
50	0.44	0.86	1.00	1.00	1.00	1.00	A

* Absorber Classifications tested in accordance with BS EN ISO 11654:1997

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