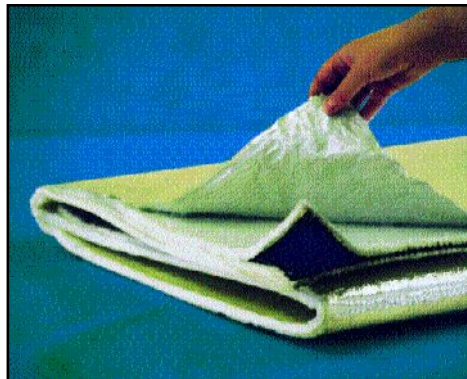


Acoustic HeatShields

Description

M949 Acoustic HeatShields are manufactured from long strand glass fibre needlemat, faced one side with reinforced aluminium foil with self-adhesive backing on the reverse.

M1019 Acoustic HeatShields incorporate an additional polymeric barrier core to further improve sound transmission performance.



They are designed to provide both thermal and acoustic insulation in areas exposed to extreme variations of temperature and high levels of noise emission from metal surfaces.

Acoustic HeatShields are available in sheets or can be die-cut to size and shape.

Colour	Outer face	-	Silver
	Inner face	-	White

Application

Acoustic HeatShields are used extensively in hot, noisy environments such as power generation plants, industrial burners, compressors, marine engine rooms, military vehicles, earth moving equipment, aircraft, commercial transport and railway rolling stock.

Operating Temperature

The adhesive face of Acoustic HeatShields can be used at continuous temperatures up to 180°C. The reflective face can withstand radiant heat up to 250°C

Fire Performance

Acoustic HeatShields comply with the Class 'O' requirements of the Building Regulations, when tested to BS476: Part 6: 1981 and Part 7: 1987.

They also meet the requirements of FMVSS 302/ISO3795.

Thermal Conductivity - 0.035 W/mK @ 10°C

Acoustic Performance

Product	Sound Transmission Loss (Tested to BSEN 20354 1993)					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
M949 Acoustic HeatShield	13	20	23	24	30	37
M1019 Acoustic HeatShield	32	38	39	34	37	42

Data Sheet
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Dimensions and Weight

Ordering Reference	Thickness mm	Weight Kg/m ²	Sheet Size mm
M949	7	2.4	1000 x 1600
	12	4.9	1000 x 1600
M1019	16	11.5	1000 x 1600

Storage and Handling

M1019 Acoustic HeatShields should be stored in dry conditions and in an ambient temperature between 18°C and 25°C. This is to ensure the polymeric barrier core remains flexible for ease of application.

For Further Information

contact
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