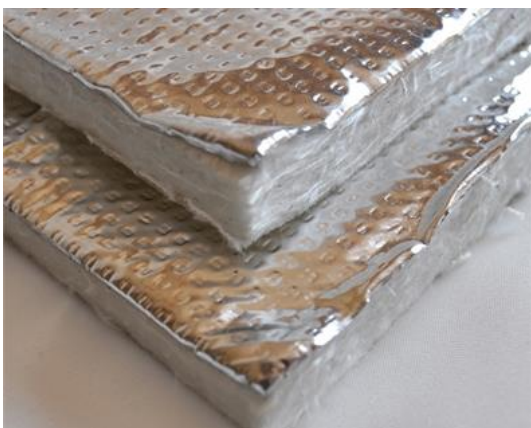




Acoustic HeatShields

Acoustic heatShields are designed to provide acoustic and thermal insulation in areas exposed to extreme temperature variations and high levels of noise emission from metal surfaces. There are two grades available. M949 are manufactured from long strand glass fibre needlemat, faced with reinforced aluminium foil and self-adhesive backing on the reverse. M1019 incorporate an additional polymeric barrier to improve the sound transmission performance.



Key Features and Benefits

- Excellent acoustic and thermal properties
- Can withstand high levels of continuous temperatures
- Flexible
- Lightweight

Acoustic HeatShields

Applications

- Generators and compressors
- Mechanical and Industrial Equipment
- Aircraft
- Automotive
- Rail

Colour and Finish

Outer face – Silver

Inner face – White

Operating Temperature

The adhesive face can be used at continuous temperatures up to 150°C. The reflective face can withstand radiant heat up to 250°C.

M1019 Acoustic HeatShields should be stored in dry conditions and in an ambient temperature between 18°C and 25°C to ensure polymeric barrier core remains flexible.

Fire Performance

Acoustic HeatShields meet requirements of FMVSS 302 / ISO 3795.

Dimensions and Weight

Product	Thickness mm	Weight Kg/m ²	Sheet Size mm
M949	7	2.0	1000 x 1600
	12	4.9	1000 x 1600
M1019	16	10.1	1000 x 1600

Acoustic Performance

Product	Sound Transmission Loss (BS EN 20354: 1993) dB					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
M949	13	20	23	24	30	37
M1019	32	38	39	34	37	42

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

The information contained in this data sheet is believed to be correct at the date of publication. The information is based on our general experience and is given in good faith but because of the many factors outside our knowledge and control which may affect the product no warranty is given or is to be implied with respect to such information. H&H Acoustic Technologies Ltd reserves the right to alter or amend the specification of their products without notice as their policy is one of constant improvement.