CUSTOM INSULATION

Bespoke Acoustic and Thermal Insulation Specialists

Material Data Sheet

C Barrier

A heavy mass tri-layer laminate made up of a glass mineral fibre with thermal and non-corrosive properties, a core of acoustic dampening polymeric barrier, faced with a reinforced foil.

This flexible acoustic barrier is suitable for various sound reduction purposes.

Standard Versions:

Product	Barrier Weight (kg/m²)	Glass Wool Thickness (mm)	Dimensions (mm)
HML 5-25	5	25	2000 x 1200
HML 5-50	5	50	2000 x 1200
HML 10-25	10	25	2000 x 1200
HML 10-50	10	50	2000 x 1200

(other barrier weights and glass wool thicknesses are available on request).

Operating Temperatures: Glass Fibre Wool: maximum service temperature of 350°C.
Polymeric Barrier Mat: up to 80°C before softening.

Barrier Weighted Sound Reduction Index:

Weight (kg/m²)	Sound Reduction (dB)	Standard
5	27	BS EN ISO 717-1
10	32	BS EN ISO 717-1

Reaction to Fire:

Component	Result	Standard
Glass Wool	Euroclass A1	EN 13501-1 2010
Polymeric Barrier	≤ 18mm/min < 3mm or burning stops before 100mm	ISO 3795 UL94 HB
Reinforced Aluminium Foil	Class 0	BS 476 pt 6&7

(the combined product has no supporting fire test data currently).

VOC Credentials: (polymeric barrier) BREEAM International New Construction v6.0 (2021) – Exemplary Level
LEED v4.1 Beta for Building Design and Construction (February 2021) – Pass

Corrosion Effect: Glass Fibre is chemically inert.

Installation: It is recommended the product be installed with reinforced foil facing outwards.

Interested in a quotation? Please forward your enquiry to: Enquiries@custominsulation.co.uk.
Need further technical information? Please contact: Engineering@custominsulation.co.uk

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