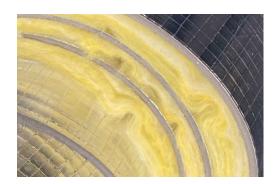
Bespoke Acoustic and Thermal Insulation Specialists



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	ISO 3795
	< 3mm or burning stops before 100mm	UL94 HB
Reinforced Aluminium Foil	Class O	BS 476 pt 6&7
7.1		

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

VOC Credentials:BREEAM International New Construction v6.0 (2021) – Exemplary Level
(polymeric barrier)
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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DISCLAIMER: Product compositions should be tailored to the individual needs of the specific environment as performance may vary between application. Any data provided should be used as indication only and no guarantee is given that the product will perform to the same standard in a separate construction. Data is provided with the best of our knowledge however may be obtained from a third party, such as the material manufacturer, and therefore fall outside of the Company's control. Guidance may be provided but no guarantee of product suitability can be given, therefore our customers are urged to test a sample of their chosen specification in the desired setting to ensure it is adequate for the proposed function. It is advised to satisfy the customers' expectations that reaction to fire testing be carried out by them as part of a system representative of the end use.