

CLADDING MAT 40

APPLICATION

Cladding Mat 40 is a resilient mineral wool insulation mat with a high tensile strength for use in twin-skinned metal cladding systems. Reference should be made to BRE Information Paper IP 10/02 and the Steel Construction Institute Paper 312. These publications examine the effects of thermal bridging through spacers which separate the inner & outer metal sheets. Alternatively, please consult with system designer for advice on the insulation requirements for their proprietary systems.

PRODUCT INFORMATION	
Thickness	80 - 200 mm
Length	see below
Width	1200 mm
Thermal Conductivity	0.040 W/mK
Product Designation	MW-EN13162-T1
Reaction to fire classification group	A1

SUITABLE FOR



METAL CLAD BUILDINGS

See also:
Cladding Mat 37

SPECIFICATIONS				
THICKNESS (mm)	R-VALUE (m ² K/W)	LENGTH (m)	PACK AREA (m ²)	PRODUCT CODE
80	2.00	10.50	12.60	3080
90	2.25	9.25	11.10	3090
100	2.50	8.50	10.20	3100
120	3.00	7.00	8.40	3119
140	3.50	6.50	7.80	3387
160	4.00	5.25	6.30	3392
180	4.50	4.75	5.70	3419
200	5.00	4.25	5.10	3566

ENVIRONMENTAL

Cladding Mat 40 is produced from fine, non-combustible mineral wool (as defined in BS 3533:1981), bonded with a thermo-setting resin. All Superglass products are made from natural materials and recycled glass. They are CFC and HCFC free, will not rot, degrade or sustain vermin, will not encourage the growth of mould, bacteria or fungi and can be described as being non-hygroscopic.

HEALTH AND SAFETY

All Superglass products are subject to a Workplace Exposure Limit (WEL) 5 mg/m³ 8 hour Time Weighted Average Gravimetric Measure. A COSHH sheet (Ref AS001) and Material Safety Data Sheet (Ref AS002) can be obtained from Superglass Technical Department. Further reference can be made to EURISOL's Health & Safety Statement which can be found at www.eurisol.com.



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BRITISH STANDARDS

Cladding Mat 40 is manufactured to comply with the requirements of the EU Construction Product Directive (89/106/EEC) and Technical European Harmonised Standards BS EN 13162:2001, BS EN 13172:2001 for Factory Made Mineral Wool Products. Suitable for the conditions in which it is intended.

FIRE PERFORMANCE

Cladding Mat 40 is classified as non-combustible with a Reaction to Fire Classification A1 when tested to BS EN 13501-1.

VAPOUR RESISTANCE

Superglass products possess negligible vapour resistance allowing vapour to pass freely through the insulation.

TEMPERATURE LIMITATION

Superglass mineral wool has a limiting temperature of 540°C, though with temperatures in excess of 230°C partial loss of the binder may occur at the hot face. This does not impair the thermal performance of the product.

PACKAGING

Cladding Mat 40 is supplied compression packed in polythene.

STORAGE

Superglass products must be stored indoors or under a waterproof covering in order to protect against weather damage.

Sales Office

E Mail: sales@superglass.co.uk
Tel: 01786 402014
Fax: 01786 451245

The office hours are Monday to Friday 8.30am to 5.00pm.

Technical Support

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Full product information is also available on CD Rom or can be downloaded from our web site.

SUPERGLASS CERTIFICATION



INDUSTRY BODIES



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