

CLADSHIELD

user guide

CLADSHIELD DETAILS

General

Cladshield is a high performance breather membrane designed primarily for the use in lightweight industrial roofing and wall systems.

The high water vapour permeability of Cladshield when tested to EN12572 has an Sd value of 0.006m, making the material the ideal choice for high specification industry roofing and cladding.

Cladshield controls the escape of water vapour from the roof and cladding structure whilst increased water resistance prevents the ingress of rain or moisture, providing a permanent high performance breather membrane.

Exclusively developed and produced for the A. Proctor Group to carefully determined specifications by Britain's only spunbonded fabric manufacturer; Don and Low Ltd Nonwovens, Forfar, Scotland.



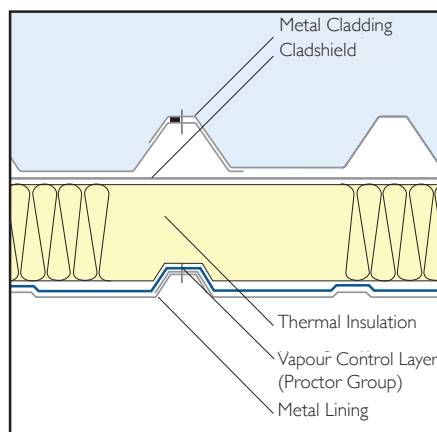
Application Procedure

Cladshield must be installed in accordance with the A. Proctor Group's instructions and recommendations between the insulation and the top sheet of the roof cladding. (See main VCL guide for details.)

PHYSICAL PROPERTIES

Property	Test Method	Mean Results
Water Penetration	EN 1928	Class W2
Water Vapour Resistance Sd	EN 12572	0.006m
Reaction to Fire	EN 13501-1	Class E

Property	Test Method	Machine Direction	Cross Direction
Tensile Strength	EN 12311-1	Before ageing	240 N
		After ageing	200 N
Elongation	EN 12311-1	Before ageing	85%
		After ageing	45%
Tear Resistance	EN12310-1	135 N	145 N
Air Permeability	EN 12114	320 m ³ /m ² /hr (at 50 Pa)	
Flexibility at low temperatures	EN 1109	No cracking at minus 60°C	



CLADSHIELD CHARACTERISTICS

Thickness	0.5mm
Weight	100g/m ²
Roll Length	100m
Roll Width	1.6m
Colour	Grey

Quality control checks are carried out on the incoming materials, during production and on the finished product.

Quality control checks on the finished product include:

- Weight
- Tensile strength and elongation
- Tear
- Water penetration

TECHNICAL ADVICE

The A. Proctor Group has a dedicated Technical Department which can deal with installation details, view drawings for approval and give specialist advice on the correct use of the A. Proctor Group products.

Telephone: +44 (0) 1250 872261
Facsimile: +44 (0) 1250 872727
email: contact@proctorgroup.com
www.proctorgroup.com

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