SHIELD MEMBRANES

PRODUCT DATA SHEET
Version 1
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ShieldFELT HYPERShield POL55 M Mineral Capsheet

Description

HYPERShield POL55 M is a high performance SBS or APP Mineral Capsheet consists of a polyester carrier coated in specially formulated polymer modified bitumen.

The upper surface is finished with mineral granules that offer UV protection and are available in a choice of colour finishes, while the lower surface is finished with a sacrificial film which rapidly melts during the torching operation.

ShieldFELT HYPERShield POL55 M Mineral Capsheet is intended for use as part of a torch applied built up waterproofing system for flat (including zero falls) and sloping areas in inverted, warm, cold and hybrid specifications.

PRODUCT DETAILS

Characteristic	BS/EN Standard	Unit	POL55 M	Tolerance
Visible Defects	EN 1850-1	-	PASS	-
Length	EN 1848-1	M	8	±2%
Width	EN 1848-1	M	1	±1%
Mass per unit area	-	KG	5.5/m	±7.5%
Topside Finish	-	-	MINERAL	-
Straightness	EN 1848-1	MM/M	≤1	-
Maximum Tensile Force (MD)	EN 12311-1	N/5cm	500	±20%
Maximum Tensile Force (CD)	EN 12311-1	N/5cm	330	±20%
Elongation	EN 12311-1	%	32	±20%
Resistance to static load	EN 12730-A	KG	≥20	-
Resistance to impact	EN 12691	MM	≥1000	-
Shear resistance of joints	EN 12317-1	N/5cm	NPD (> max load)	-
Flexibility at low temperatures	EN 1109	°C	≤-19	-
Flexibility at low temperatures (After ageing)	BS EN 1296 (24 weeks @ 70°C	°C	≤9	-
Water tightness	EN 1928	-	PASS	-
Flow resistance at elevated temperatures	EN 1110	°C	≥110	-
Dimensional stability	EN 1107-1	%	≤1	-
External fire performance	EN 13501-5	Class	BRoof(t4) *	-
Reaction to fire	EN 13505-1	Class	B	-
Adhesion of granules (mineral finish only)	EN 12039	%	≤30	-

* When protected by an inorganic covering (eg gravel or paving slabs) listed in the Annex of Commission Decision 2000/553/EC, the membrane is deemed to achieve a BROOF(t4) classification and so is unrestricted by the national Building Regulations with respect to proximity to a boundary.

Features & Benefits:

- High tensile polyester base: Robust carrier material
- Low temperature flexibility
- Torch on application
- Choice of colour finishes

Disclaimer

The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details. Shield Membranes reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice.

0207 740 9279 | www.shieldmembranes.com | info@shieldmembranes.com

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