



ShieldROOT M - Root Barrier Protection Sheet

Description

ShieldROOT M is a root resistant protection sheet/capsheet. It is an SBS modified bitumen membrane containing a chemical root retardant with a polyester reinforcement carrier. The membrane is produced with a charcoal slate mineral finish that acts as an additional mechanical barrier to help prevent root ingress. The chemical additive is specifically designed to be used in waterproofing products making ShieldROOT M ideal for use on waterproofing systems under living roofs, podium gardens and other landscaped areas.

ShieldROOT M is designed to be used in conjunction with the ShieldFELT Layered Roof Waterproofing Systems or with ShieldTEC Hot Melt Waterproofing Systems as a replacement for ShieldTEC PS5 and in conjunction with ShieldLIVING and ShieldSCAPE systems.

TECHNICAL DATA

Characteristic	BS/EN Standard	Unit	POL50M	Tolerance
Visible defects	EN 1850-1		PASS	-
Length	EN 1848-1	M	8	32%
Width	EN 1848-1	M	1	31%
Mass per unit area		KG	5/m	37.5%
Topside finish			MINERAL	-
Straightness	EN 1848-1	MM / M	≤ 1	-
Maximum tensile force (MD)	EN 12311-1	N/5cm	320-600	-
Maximum tensile force (CD)	EN 12311-1	N/5cm	200-400	-
Elongation	EN12311-1	%	32	±20%
Resistance to root penetration	EN 13948	-	PASS	-
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	≤ -14	-
Flexibility at low temperatures (After Ageing)	BS EN 1296 (24 wks @ 70°C)	°C	≤ 0	-
Water tightness	EN 1928	-	PASS	-
Flow resistance at elevated temperatures	EN 1110	°C	≥ 110	-
Dimensional stability	EN 1107-1	%	≤1	-

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.

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