



### ShieldFELT XTRAShield POL45 F/S Intermediate Layer

#### Description

XTRAShield POL45 F/S is a medium range intermediate layer composed of a reinforced polyester core, coated with a specially formulated quick melt SBS or APP modified bitumen.

The lower surface has a protective sacrificial film, which rapidly melts during the torch on installation and prevents the roll from sticking together in storage, whereas the upper surface is available in film or a fine sand finish.

ShieldFELT XTRAShield POL45 F/S 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.

#### Features & Benefits:

- High tensile polyester base: Robust carrier material
- Low temperature flexibility
- Torch on application
- Available in a sanded or film finish

#### 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.

#### PRODUCT DETAILS

Characteristic	BS/EN Standard	Unit	POL45 F/S	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	4.5/m	±7.5%
Topside Finish	-	-	FILM/SAND	-
Straightness	EN 1848-1	MM/M	≤1	-
Maximum Tensile Force (MD)	EN 12311-1	N/5cm	900	±20%
Maximum Tensile Force (CD)	EN 12311-1	N/5cm	700	±20%
Elongation	EN 12311-1	%	40	±20%
Resistance to static load	EN 12730-A	KG	≥15	-
Resistance to impact	EN 12691	MM	≥700	-
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 weeks @ 70°C)	°C	≤2	-
Water tightness	EN 1928	-	PASS	-
Flow resistance at elevated temperatures	EN 1110	°C	≥100	-
Dimensional stability	EN 1107-1	%	≤1	-
External fire performance	EN 13501-5	Class	B <sub>Roof(t4)</sub> *	-
Reaction to fire	EN 13505-1	Class	B	-

\* 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 B<sub>ROOF(t4)</sub> classification and so is unrestricted by the national Building Regulations with respect to proximity to a boundary.

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# SHIELD MEMBRANES

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