

SOPRASEAL WFM

Description:

SOPRASEAL WFM is a self-adhesive membrane composed of SBS modified bitumen and a tri-laminate woven polyethylene facer. A silicone release film protects the self-adhesive side.

SOPRASEAL WFM is used as a wall flashing membrane. It features excellent mechanical properties (tensile strength, puncture, abrasion and flow resistance). Due to its superior blend of SBS modified bitumen, the membrane is self-sealing around screws and fasteners.

Minimum application temperature: -10 °C (14 °F).

Service temperature range: up to 85 °C (185 °F).

SOPRASEAL WFM must always be laid on clean, dry, solid substrates, which have previously been primed with **ELASTOCOL STICK** or **ELASTOCOL STICK H₂O**.

Properties:

Properties	Standards	SOPRASEAL WFM
Thickness (mm)	–	1.0 (40 mil)
Roll Length (m)	–	22.9 (75 ft)
Roll Widths (cm)	–	30.5 and 45.7 (12 and 18 inches)*
Gross Coverage per Roll (m ²)	–	7 and 10.5 (75 and 112.5 ft ²)
Underface	–	Silicone release film
Top Face	–	Tri-laminate woven polyethylene
Tensile Strength, MD / XD (kN/m)	ASTM D5147	11.3 / 15.4 (64 / 88 lbf/in)
Tensile strength, MD/XD (MPa)	ASTM D412	11.2 / 13.1
Ultimate Elongation, MD / XD (%)	ASTM D5147	40 / 25
Ultimate elongation, MD/XD (%)	ASTM D412	88 / 55
Static Puncture (N)	ASTM D5602	400 (90 lbf)
Static puncture (N)	ASTM E 154	747 (168 lb)
Tear Resistance, MD / XD (N)	ASTM D5601	375 / 400 (84 / 90 lbf)
Flexibility at -30 °C (-22 °F)	ASTM D5147	Pass
Lap Adhesion (N/m)	ASTM D1876	2000 (11.4 lbf/in)
Peel Resistance (N/m)	ASTM D903	2800 (16 lbf/in)
Flow (°C)	ASTM D5147	90 (194 °F)
Water Absorption (%)	ASTM D5147	0.1 max
Water Vapour Permeance (ng/Pa·s·m ²)	ASTM E96 (Procedure B)	<0.90 (<0.016 perm)
Air permeability, 75 Pa (L/s·m ²)	ASTM E2178	0.0013 (0.00025 cfm/ft ²)

(All values are nominal)

*Other widths may be available on special order