

WATERPROOFING FOUNDATION MEMBRANE

TECHNICAL DATA SHEET
151013RCAN1E
(supersedes -150313RCAN2E)

DESCRIPTION

The **WATERPROOFING FOUNDATION MEMBRANE** is a self-adhesive waterproofing membrane composed of SBS modified bitumen and a trilaminate woven polyethylene facer. This surface provides 100% protection from UV radiation. A silicone release film protects the self-adhesive under face.

This **WATERPROOFING FOUNDATION MEMBRANE** is used to waterproof foundation walls which have previously been primed with **RESISTO EXTERIOR PRIMER** or **H₂O PRIMER***.

APPLICATION CONDITIONS

Minimum application temperature: 10 °C (50 °F)

Maximum service temperature: 60 °C (140 °F)

The **WATERPROOFING FOUNDATION MEMBRANE** may be left exposed for a maximum of 90 days prior to the backfilling. For rocky or clay soil, a protection board such as a semi-rigid thermal insulation board must be installed prior to backfilling.

The **WATERPROOFING FOUNDATION MEMBRANE** is designed to be used as a waterproofing membrane in below grade application. Membrane installed above grade must be mechanically fasten at its top edge and covered with a protective panel. Membrane must be kept below maximum service temperature as indicated above. It is not recommended to use an elastomeric bitumen membrane directly on softwood boards or on flexible polyvinyl chloride.

*Over polystyrene surface such as **ICF** foundations, primer is optional. If needed, only the water based **H₂O PRIMER** from **RESISTO** is then recommended.

PACKAGING

Specifications	WATERPROOFING FOUNDATION MEMBRANE	
Thickness	1.5 mm	60 mil
Dimensions	1 x 18.7 m	(3.3 x 61 pi)
Weight	1.5 kg/m ²	0.3 lb/ft ²
Selvedge width	75 mm	3 in
Surface	Tri-laminated woven polyethylene	
Underface	Silicone release film	
Qty/pal	30	

(All values are nominal)

STORAGE AND HANDLING

Rolls must be stored upright, with the selvedge side on top. If the product is stored outdoors, cover them with an opaque protective cover after removal of the delivery packaging.



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PROPERTIES

Properties	Standards	WATERPROOFING FOUNDATION MEMBRANE	
Tensile strength, MD/XD	ASTM D5147	11.3 / 15.4 kN/m	64 / 88 lb/in
Tensile strength, MD/XD	ASTM D412	11.2 / 13.1 MPa	1624 / 1900 lb/in ²
Ultimate elongation, MD/XD	ASTM D412	88 / 55 %	
Ultimate elongation, MD/XD	ASTM D5147	40 / 25 %	
Elongation of rubberised asphalt	ASTM D5147	> 1000 %	
Flexibility at cold temperature	ASTM D5147	-35°C	-31°F
Static puncture	ASTM E154	747 N	168 lb
Static puncture	ASTM D5602	400 N	90 lb
Tear resistance, MD/XD	ASTM D5601	375 / 400 N	84 / 90 lb
Lap adhesion	ASTM D1876	2000 N/m	11.4 lb/in
Water absorption	ASTM D5147	0.1 % max	
Peel resistance	ASTM D903	3500 N/m	20 lb/in
Water vapour permeance	ASTM E96 (Procedure B)	0.49 ng/Pa•s•m ²	0.0086 perm
Crack cycling at -32°C (25.6°F), 100 cycles	ASTM C836	Unaffected	
Resistance to hydrostatic head	ASTM D5385	114 m min.	374 ft min.
Adhesion strength to concrete - Not primed - Combined with primer	ASTM D1000	560 N/m 1650 N/m	3.2 lb/in 9.4 lb/in

For CCMC product evaluation see CCMC Evaluation listing #13560-R
(All values are nominal)