

FOUNDATION / ICF WATERPROOFING MEMBRANE

Description: *FOUNDATION / ICF WATERPROOFING MEMBRANE* is a self-adhesive waterproofing membrane dedicated to the waterproofing of Insulated Concrete Forms (ICF) foundations. It is 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. *FOUNDATION / ICF WATERPROOFING MEMBRANE* can be applied directly to the polystyrene (expanded and extruded) surface of ICF foundations. Clean, dry and even surfaces generally do not require priming. If specific conditions call for the use of primer, such as dusty work sites, Resisto recommends using its water-based *INTERIOR PRIMER* or *H₂O PRIMER*. Solvent-based primers may damage polystyrene and therefore must not be used.

Application conditions:

Minimum application temperatures:	Maximum service temperatures:
• Winter Grade: -10 °C (14 °F)	• Winter Grade: 70 °C (158 °F)
• Summer Grade: 10 °C (50 °F)	• Summer Grade: 75 °C (167 °F)

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

The *FOUNDATION / ICF WATERPROOFING MEMBRANE* is designed to be used as 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 described above.

Properties:

Properties	Standards	<i>FOUNDATION / ICF WATERPROOFING MEMBRANE</i>	
Thickness	-	1.0 mm	40 mil
Dimension	-	22.9 x 0.91 m	75 ft x 36 in
Gross / Net coverage per roll	-	20.8 / 19.1 m ²	225 / 206 ft ²
Roll weight	-	20 kg	44 lb
Top face	-	Trilaminate woven polyethylene	
Underface	-	Silicone release paper	
Tensile strength, MD/XD	ASTM D5147	11.3 / 15.4 kN/m	64 / 88 lbf/in
Ultimate elongation, MD/XD	ASTM D5147	52 / 24 %	
Flexibility at cold temperature	ASTM D5147	-30 °C	-22 °F
Static puncture	ASTM D5602	400 N	90 lbs
Tear resistance, MD/XD	ASTM D1876	375 / 400 N	85 / 90 lbf
Lap adhesion	ASTM D1876	2000 N/m	11.4 lbf/in
Peel resistance	ASTM D903	3050 N/m	17.5 lbf/in
Water absorption	ASTM D5147	< 0.1 %	
Water vapour permeance	ASTM E96 (Procedure B)	< 0.90 ng/Pa.s.m ²	< 0.016 perm

(All values are nominal)



NOTE: RESISTO may modify the composition and/or utilisation of its products without prior notice. Consequently orders will be filled according to the latest specification.