



COLPHENE ICF

SELF-ADHESIVE WATERPROOFING MEMBRANE

Order No. D10126*

* Boxed Summer Grade listed, contact Customer Service for unboxed Summer Grade and boxed or unboxed Winter Grade.

DESCRIPTION

COLPHENE ICF is a self-adhesive waterproofing membrane specially designed for Insulated Concrete Form waterproofing. It is composed of SBS modified bitumen and a polyethylene woven composite facer. A silicone release film protects the self-adhesive underside.

COLPHENE ICF is available in "summer grade" for applications at temperatures above fifty degrees (50° F) Fahrenheit (10° C) and "winter grade" for applications at temperatures between twenty-five degrees (25°F) Fahrenheit (-3.9°C) and fifty degrees (50° F) Fahrenheit (10° C).

BASIC USE & APPLICATION

Refer to COLPHENE ICF Guide Specification & Approved Details for specific application information.

COLPHENE ICF can be applied directly to the polystyrene (expanded or extruded) surface of ICF foundations. Clean, dry and even surfaces typically do not require priming. If specific conditions such as dusty work sites dictate the need for a primer, Soprema recommends the use of a water based primer such as Elastocol Stick H₂O. Solvent based primers may damage the polystyrene and therefore must not be used.

All self-adhesive side laps of COLPHENE ICF are matted together and sealed using applied pressure. Soprema recommends that end laps and "T" Joints be sealed using approved hot air welding techniques.

Starting at the low point, install COLPHENE ICF to the (primed) substrate by peeling back the release film on the underside. Subsequent rolls shall be installed in the same manner and should be aligned with the preceding roll to maintain continuity. Use an approved roller and apply hand pressure over the entire surface to ensure solid adhesion to the substrate. The uppermost edge of the membrane shall be mechanically fastened to the substrate using approved fasteners and termination bars (vertical application only). All small protrusions (steel work, etc.) through the waterproofing membrane must be sealed with Sopramastic or Alsan Flashing. Contact SOPREMA Technical Department for specific application guidelines.

FEATURES & BENEFITS

- Tremendous resistance to hydrostatic pressure
- Excellent adhesion to most substrates
- Fully adhered, watertight laps
- Superior tensile strength, puncture resistance, dimensional stability, and 100% UV resistant
- Cold applied, no flames or kettles
- Easy to install

LIMITATIONS

- COLPHENE ICF should not be stored exposed to the elements. Rolls are stored upright on pallets.
- DO NOT install during inclement weather



COMPOSITION & PACKAGING

Product/ Property	COLPHENE ICF
Reinforcement	none
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	tri-laminate woven polyethylene
Underside	self-adhesive with release film
Approximate Nominal Thickness	40 mils (1.0 mm)
Approximate Roll Coverage	225 ft ² (19 m ²)
Side Lap	3" (76 mm)
End Lap	6" (152 mm)
Roll Length	75 ft (22.9 m)
Roll Width	36" (0.91 m)
Approximate Roll Weight	44 lbs (20 kg)
Rolls per Pallet*	25
* Rolls stocked upright on pallets	

PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	TYPICAL VALUE
Tensile strength (lb/in) (MD/XD)	ASTM D 5147	64/88
Ultimate Elongation % (MD/XD)	ASTM D 5147	52/24
Low temperature flexibility	ASTM D 5147	Unaffected at -22 °F
Static puncture resistance, (lbs)	ASTM D 5602	90
Tear resistance (lb) (MD/XD)	ASTM D 5601	84/90
Lap adhesion (lb/in)	ASTM D 1876	11.4
Peel resistance (lb)	ASTM D 903	17.5
Water absorption (%)	ASTM D 5147	<0.1
Water vapor permeance	ASTM E 96 (Proc. B)	0.016
(All values are nominal. Test results from SOPREMA manufacturing plant.)		

WARRANTY

Contact your local SOPREMA representative for project warranty offerings.