



COLPHENE 3000

SELF-ADHESIVE WATERPROOFING MEMBRANE

Order No. D10210*

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

DESCRIPTION

COLPHENE 3000 is a self-adhesive waterproofing membrane composed of SBS modified bitumen and a polyethylene woven composite facer. A silicone release film protects the self-adhesive underside.

COLPHENE 3000 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 3000 Guide Specification & Approved Details for specific application information.

COLPHENE 3000 is specially designed for vertical and horizontal waterproofing of foundation walls, tunnels, plaza decks, parking decks and split slab construction.

Starting at the low point, install COLPHENE 3000 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.

COLPHENE 3000 may also be used as a reinforcement for COLPHENE BSW (F).

FEATURES & BENEFITS

- Tremendous resistance to hydrostatic pressure
- Excellent adhesion to most substrates
- UV resistant up to 30 days (Exposure should not exceed 30 days)
- Fully adhered, watertight laps
- Superior tensile strength, puncture resistance and dimensional stability
- Cold applied, no flames or kettles
- Easy to install

LIMITATIONS

- COLPHENE 3000 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 3000
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	60 mils (1.5 mm)
Approximate Roll Coverage	201 ft ² (18.7 m ²)
Side Lap	3" (76 mm)
End Lap	6" (152 mm)
Roll Length	61 ft (18.6 m)
Roll Width	39" (1 m)
Approximate Roll Weight	64 lbs (29 kg)
Rolls per Pallet*	25 boxed

* Rolls stocked upright on pallets

PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	TYPICAL VALUE
Tensile strength, membrane	ASTM D412	1624 lbf/in ²
Tensile strength, film	ASTM D882	19500 lbf/in ²
Elongation of rubberized asphalt	ASTM D412	>1000%
Low temperature flexibility	ASTM D1970	Unaffected at -31 °C
Puncture resistance, membrane	ASTM E154	168 lbs
Peel resistance	ASTM D903	20 lbf/in
Resistance to hydrostatic head	ASTM D751	231 ft of water
Crack cycling at -32 °C, 100 cycles	ASTM C836	Unaffected
Lap peel adhesion	ASTM D1876	11.4 lbf/in
Water vapor permeance	ASTM E96	0.0086 perms
Water absorption	ASTM D570	0.1% maximum

(All values are nominal. Test results from SOPREMA manufacturing plant.)

WARRANTY

Contact your local SOPREMA representative for project warranty offerings.