



COLPHENE BSW (F)

BLIND-SIDE WATERPROOFING (BSW) MEMBRANE Order No. *

*Contact Customer Service for availability and ordering.

DESCRIPTION

COLPHENE BSW (F) is a fully reinforced SBS modified bitumen membrane specially designed for blind-side waterproofing applications.

COLPHENE BSW (F) is composed of a select blend of SBS modified bitumen applied onto a non-woven polyester reinforcement. The sanded under face is covered by a silicone release film at the selvage edge and the top face is covered with polyester fleece. The polyester fleece top face exhibits tenacious adhesion when concrete is poured against it and therefore provides a continuous and integral seal to the structure, preventing ingress or migration of water around the structure.

BASIC USE & APPLICATION

Refer to COLPHENE BSW (F) Guide Specification & Approved Details for specific application information.

COLPHENE BSW (F) is designed for use in blind-side waterproofing applications, mud slabs and underwork slabs as well as construction methods incorporating lagging or shotcrete retention walls. COLPHENE BSW (F) is also highly effective in rehab waterproofing and zero property line construction.

Starting at the high point, install COLPHENE BSW (F) to the primed substrate, Sopraboard or Sopradrain 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 terminations bars. All small protrusions (steel work, etc.) through the waterproofing membrane must be sealed with Colphene LM or Alsan Flashing.

FEATURES & BENEFITS

- Impermeable to moisture
- Excellent adhesion to poured concrete
- Fully adhered, watertight laps
- Superior tensile strength and puncture resistance
- Can be applied to permanent formwork
- Easy to install

LIMITATIONS

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

WARRANTY

Contact your local SOPREMA representative for project warranty offerings.



PHYSICAL PROPERTIES

PROPERTIES	STANDARDS	COLPHENE BSW (f)
Color	--	Black
Thickness	ASTM D3767	108 mils (2.7 mm)
Roll dimensions	--	39" x 49' (1 m x 10 m)
Roll weight	--	92 lbs (41.7 kg)
Under face	--	Sanded (Laps - silicone release film)
Top face	--	Polyester Fleece
Tensile strength, MD/XD	ASTM D412	23.7 / 18.5 MPa
Ultimate elongation, MD/XD	ASTM D412	67 / 74%
Low temperature flexibility	ASTM D1970	Unaffected at -23 °C
Adhesion of poured concrete	ASTM D903 modified	2880 N/m
Puncture resistance	ASTEM E154	1210 N
Resistance to hydrostatic head	ASTM D5385 modified	> 70 m
Crack cycling at -23 °C	ASTM C836	Unaffected
Tear resistance	ASTM D5601	125 N
Lap peel adhesion	ASTM D1876	1360 N/m
Water vapor transmission	ASTM E96 method B	0.21 ng / Pa.s.m ²
Water absorbtion	ASTM D570	0.5%
Rolls per Pallet*	--	30

* Rolls stocked upright on pallets

COMPOSITION & PACKAGING

Product / Property	COLPHENE BSW (F)
Reinforcement	polyester
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	Polyester Fleece
Underside	Sanded (Laps - silicone release film)
Approximate Nominal Thickness	108 mils (2.7 mm)
Approximate Roll Coverage	147 ft ² (13.6 m ²)
Side Lap	4" (102 mm)
End Lap	6" (152 mm)
Roll Length	49 ft (15 m)
Roll Width	39" (1 m)
Approximate Roll Weight	92 lbs (41.7 kg)
Rolls per Pallet*	20

* Rolls stocked upright on pallets