

COLPHENE BSW

Description: *COLPHENE BSW* is a waterproofing membrane composed of a composite reinforcement and SBS modified bitumen. The self-adhesive under face is covered by a silicone release film. The top face is sanded.

COLPHENE BSW is used under concrete slabs, on foundation walls and for blindside waterproofing. This waterproofing membrane may be installed on concrete, drainage boards or wood lagging in blindside waterproofing applications prior to concrete pouring.

For complete information on application and systems please consult our specification manual.

Properties:

Properties	Standards	COLPHENE BSW
Thickness (mm)	-	3.0
Reinforcement	-	High-performance composite
Dimension (m)	-	10 x 1
Gross / Net coverage per roll (m ²)	-	10 / 9.1 (107 / 98 ft ²)
Roll weight (kg)	-	35
Underface	-	Silicone Release Film
Top face	-	Sanded
Tensile strength, MD/XD (kN/m)	ASTM D5147	15 / 13.5
Ultimate elongation, MD/XD (%)	ASTM D5147	60 / 65
Cold bending (°C) - Initial - 90 days at 70°C	ASTM D5147	-30 -30
Plastic flow (°C)	ASTM D5147	115
Adhesion of poured concrete, 22°C (N/m)	ASTM D903 modified (Peeled at 50 mm/min)	4248 (24.3 lbf/in)
Static puncture (N)	ASTM D5147	560
Puncture resistance (N)	ASTM E154	1210
Tear resistance (N)	ASTM D751	125
Resistance to hydrostatic head	ASTM D5385	114 m x min. (374 ft)
Gas Permeability (methane) - (cm ² / s @ 1 atm) - (cm ³ x cm / cm ² x s x Pa)	ASTM D1434 ASTM D1434	4.12x10 ⁻⁷ 4.06x10 ⁻¹²

(All values are nominal)