

COLPHENE® BSW-H

Pre-Applied Waterproof Membrane

PRODUCT DATA SHEET PD10059 REV.06121



APPLICATIONS

WATERPROOFING

DESCRIPTION:

COLPHENE BSW-H is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and is reinforced with a tough, dimensionally stable composite polyester/glass fiber reinforcement. At 140 mil (3.5mm) thickness, its robustness in nature allows it to hold up to other trades. When additional protection is required, the use of COLPHENE BSW PROTECT'R may be required.

The topside is surfaced with fine mineral aggregate that bonds to the post-poured concrete slab and the underside is surfaced with polyolefin burn-off film.

COLPHENE BSW-H also has an engineered DUO SELVEDGE edge that is overlapped with an adjacent membrane and then heat welded to seal the lap.

BASIC USES:

COLPHENE BSW-H is designed specifically for horizontal pre-applied slab-on-grade and select blind side waterproofing applications.

PACKAGING:

39.4" x 32.8' (Product #: 00287)

COVERAGE RATE:

95.2 square feet per roll

LIMITATION:

- Installed on properly compacted soil, rock, or mat slab.
- Heat welding of overlap seams is required

APPLICATION:

Refer to the **COLPHENE BSW-H** application guidelines for complete details.

WARRANTY:

Please refer to www.SOPREMA.us for the SOPREMA Standard Warranty, Form 115, or contact SOPREMA at 800.356.3521 for more information.



COLPHENE® BSW-H

Pre-Applied Waterproof Membrane



APPLICATIONS

WATERPROOFING

PROPERTY	VALUES	TEST METHOD
Tensile strength, MD/XMD, psi (MPa)	3437 / 2638 (23.7 / 18.1)	ASTM D412
Elongation at peak load at 73°F, MD/XMD, %	67 / 74	ASTM D412
Elongation ultimate failure of rubberized asphalt, %	1000	ASTM D412
Adhesion to poured concrete, lbf/in (N/m)	19.6 (3430)	ASTM D903
Low temperature flexibility, °F (°C)	Unaffected at -4 (-20)	ASTM D1970
Puncture resistance, membrane, lb (N)	311 (1383)	ASTM E154
Tear resistance, lbf (N)	28.1 (125)	ASTM D5601
Low temperature crack bridging, °F (°C)	Unaffected at -9 (-23)	ASTM C836 (C1305)
Lap peel adhesion, lbf/in (N/m)	7.7 (1360)	ASTM D1876
Water vapor transmission, perms (ng/Pa•s•m ²)	< 0.037 (< 2.1)	ASTM E96 Procedure B
Water absorption (maximum), %	0.5	ASTM D570
Lateral water migration resistance, ft (m)	Pass at 360 (110)	ASTM D5385
Hydrostatic head pressure resistance, ft (m)	Pass at 360 (110)	ASTM D5385
Methane gas permeability, ft ² /hr at 14.7 psi (cm ² /sec at 1 atm)	1.6 * 10 ⁻⁶ (4.12 * 10 ⁻⁷)	ASTM D1434
Coefficient of friction, sanded side on sanded side, static/ kinetic	1.04/0.71	ASTM D1894
Coefficient of friction, sanded side on concrete, static/ kinetic	0.75/0.63	ASTM D1894

* Data is represented by average values, unless noted otherwise.

