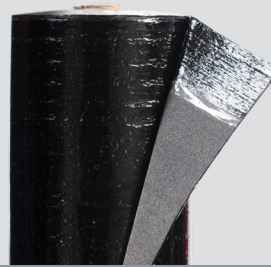


COLPHENE® SP 2.2

Heat-welded, Sanded-Surfaced SBS-Modified Bitumen Membrane



APPLICATIONS

WATERPROOFING

PRODUCT DATA SHEET PDS10320 - REV 230526

PRODUCT NUMBERS:

- 01218 - 42.9 ft x 39.4 in (15.0 x 1.0 m) - Roll

DESCRIPTION & FEATURES:

COLPHENE SP 2.2 (sanded, polyolefin) is a SBS-modified bitumen membrane approved for use in waterproofing assemblies. **COLPHENE SP 2.2** is reinforced with a glass fiber mat that is saturated and coated on both sides with a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen.

- SBS rubber polymer enhances the asphalt blend adding elongation, elasticity and flexibility to the sheet
- Reinforced with a glass fiber mat that increases the membrane's strength and durability
- Sanded-surfacing improves bonding strength between system layers
- Underside is surfaced with a polyolefin burn-off film to optimize heat welding
- Meets or exceeds requirements of ASTM D6163, Type I, Grade S

USES:

COLPHENE SP 2.2 is used as a component in the following systems.

PROTECTED MEMBRANE WATERPROOFING	
USE	OVERLYING MATERIAL
Field Base Ply	Cold-Applied Modified Bitumen
	Liquid-Applied PMMA/PMA
Field Cap Ply	Overburden for Protected Membranes

APPLICATION:



Prior to installation, unroll **COLPHENE SP 2.2** onto the deck and allow to relax. Position **COLPHENE SP 2.2** in desired position and back roll the product. **COLPHENE SP 2.2** is then heat welded to approved substrates.

Refer to SOPREMA's published technical literature for additional details and application requirements.

STORAGE:

Store rolls in an upright position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture.

TESTING & APPROVALS:



WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.



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TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES	
PROPERTY	VALUE
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
ASTM standard	D6163, Type I, Grade S
Reinforcement	Glass fiber
Top surfacing	Sanded
Back surfacing	Polyolefin film
Selvage surfacing	Polyolefin film
Selvage width, in (mm)	3 (76)

DIMENSIONS & MASS		
PROPERTY	VALUE	ASTM TEST METHOD
Length, ft (m)	49.2 (15.0)	D5147
Width, in (m)	39.4 (1.0)	D5147
Coverage,* ft² (m²)	147.6 (13.7)	D5147
Roll weight, lb (kg)	88 (43.7)	D5147
Rolls per pallet	30	D5147
Pallet weight, lb (kg)	2,690 (1,328)	D5147
Thickness, mils (mm)	87 (2.2)	D5147
Net mass per unit area, lb/100 ft² (g/m²)	64.5 (2,895)	D5147
Bottom coating thickness, mils (mm)	≥ 40 (1.0)	D5147

*Coverage rate as reported assumes installation using side and end lap recommendations.

PHYSICAL PROPERTIES			
PROPERTY	MD	XMD	ASTM TEST METHOD
Peak load @ 0°F (-18°C), lbf/in (kN/m)	100 (17.5)	90 (15.8)	D5147
Elongation at peak load @ 0°F (-18°C), %	4	4	D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	50 (8.8)	40 (7.0)	D5147
Elongation at peak load @ 73.4°F (23°C), %	5	4	D5147
Ultimate Elongation @ 73.4°F (23°C), %	45	45	D5147
Tear strength @ 73.4°F (23°C), lbf (N)	60 (267)	60 (267)	D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	D5147
Dimensional stability, %	< 0.1	< 0.1	D5147
Compound stability, °F (°C)	240 (116)	240 (116)	D5147
Hydrostatic head pressure	Pass		D5385
Water vapor permeance, perms (ng/s·m²·Pa)	< 0.004 (0.23)		E96 (Procedure B)
Puncture resistance, max load, lbf (N)	215 (956)		E154

Data is represented by average values, unless noted otherwise.