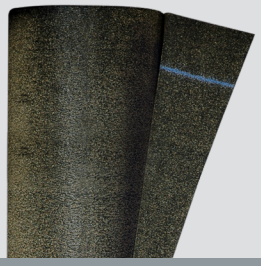
SOPRALENE® 180 SANDED



PRODUCT DATA SHEET PD10011 - REV 230608

APPLICATIONS

PRODUCT NUMBERS:

- 00220 - **32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll**

DESCRIPTION & FEATURES:

SOPRALENE 180 SANDED is a SBS-modified bitumen membrane approved for use in roofing assemblies. **SOPRALENE 180 SANDED** is reinforced with a tough, dimensionally stable non-woven polyester 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 non-woven polyester mat that increases the membrane's strength and puncture resistance
- Sanded-surfacing improves bonding strength between system layers
- Meets or exceeds requirements of ASTM D6164, Type I, Grade S

USES:

SOPRALENE 180 SANDED is used as a component in the following systems.

USE	OVERLYING MATERIAL
Field Base Ply	Cold-Applied Modified Bitumen[1]
	Self-Adhered Modified Bitumen[1]
	Adhered PVC/KEE (fleece-back)[2]
	Liquid-Applied PMMA/PMA
Flashing Base Ply	Cold-Applied Modified Bitumen[1]
	Self-Adhered Modified Bitumen[1]
	Liquid-Applied PMMA/PMA
	Liquid-Applied Polyurethane-Bitumen[1]
Vapor Retarder	Rigid Insulation[3]
	Lightweight Concrete[3]

[1] Refer to SOPREMA's SBS-Modified Bitumen Roofing Membrane Technical Manual
[2] Refer to SOPREMA's PVC/SBS Hybrid Membrane Roofing Technical Manual
[3] Refer to SOPREMA's Vapor Retarder Technical Manual, Low-Slope Roofing

APPLICATION:

COLD ADHESIVE

Prior to installation, unroll **SOPRALENE 180 SANDED** onto the roof surface and allow to relax. Place **SOPRALENE 180 SANDED** in desired position and back roll the product. Apply approved cold adhesive or hot asphalt following the manufacturer's guidelines. **SOPRALENE 180 SANDED** is then placed into the cold adhesive or hot asphalt and rolled with a weighted roller to ensure adhesion.

Refer to SOPREMA's published technical liturature 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:

FM APPROVED

CLASSIFIED UL

FLORIDA BUILDING CODE

MIAMI-DADE COUNTY APPROVED

NOA # 20-0825.11

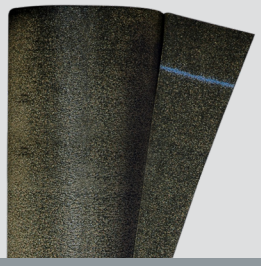
EQUAL HOUSING OPPORTUNITY

HUD MR 1340

WARRANTY:

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

SOPRALENE® 180 SANDED



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APPLICATIONS

ROOFING

TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES	
PROPERTY	**VALUE**
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
ASTM Standard	D6164, Type I, Grade S
Reinforcement	Non-woven polyester
Top surfacing	Sanded
Back surfacing	Sanded

DIMENSIONS & MASS		
PROPERTY	**VALUE**	**ASTM TEST METHOD**
Length, ft (m)	32.8 (10.0)	D5147
Width, in (m)	39.4 (1.0)	D5147
Coverage,* ft² (m²)	97.9 (9.1)	D5147
Roll weight, lb (kg)	91 (41.2)	D5147
Rolls per pallet	30	D5147
Pallet weight, lb (kg)	2,780 (1,259)	D5147
Thickness (minimum), mils (mm)	110 (2.8)	D5147
Thickness (nominal), mils (mm)	118 (3.0)	D5147
Net mass per unit area, lb/100 ft² (g/m²)	78 (3,808)	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)	115 (20.1)	90 (15.8)	D5147
Elongation at peak load @ 0°F (-18°C), %	35	40	D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	85 (14.9)	85 (14.9)	D5147
Elongation at peak load @ 73.4°F (23°C), %	55	65	D5147
Ultimate Elongation @ 73.4°F (23°C), %	65	80	D5147
Tear strength @ 73.4°F (23°C), lbf (N)	125 (556)	85 (378)	D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	D5147
Dimensional stability, %	< 0.5	< 0.5	D5147
Compound stability, °F (°C)	240 (116)	240 (116)	D5147

Data is represented by average values, unless noted otherwise.