

SOPREMA SELECT

APP POLY FLAM GR

Heat-welded, Granulated APP-Modified Bitumen Membrane

PDS 10456-REV 240806

DESCRIPTION & FEATURES

APP POLY FLAM GR is a 4.1 mm (161 mil) APP (atactic polypropylene) modified bitumen roofing membrane. SOPREMA's exclusive APP polymer and asphalt formulation yields excellent weathering characteristics and long-term durability. It is reinforced with a non-woven polyester mat that provides added strength and puncture resistance to the membrane. APP POLY FLAM GR is available in standard black, white, and highly reflective white SG mineral surfacing.

- Excellent heat and UV resistance
- Granule surfacing provides added resistance to weathering and foot traffic
- Backed with a plastic burn-off film for ease of heat welding installation
- Meets or exceeds requirements of ASTM D6222, Type I, Grade G

PRODUCT CHARACTERISTICS

Technology	APP polymer modified bitumen
ASTM	D6222 Type I, Grade G
Reinforcement	Non-woven polyester
Surface	Ceramic coated granules
Underface	Thermofusible plastic film



PRODUCT INFORMATION

Product Number	Length ft (m)	Width in (m)	Thickness mils (mm)	Weight lb (kg)	Coverage sq ft (sq m)	Rolls/Pallet
22904BT (White)	Min: 32.8 (10.0)	Avg: 39.4 (1.0)	Avg: 161 (4.0)	Min: 103 (46.7)	Min: 97.9 (9.1)	20
22905BT (Black)						
22908BT (SG)						

PHYSICAL PROPERTIES

PROPERTY / UNIT	MD	XMD	ASTM TEST METHOD
Peak load @ 0°F (-18°C); lbf/in (kN/m) (avg)	145 (25.4)	105 (18.4)	D5147
Elongation at peak load @ 0°F (-18°C); % (avg)	30	25	D5147
Peak load @ 73.4°F (23°C); lbf/in (kN/m) (avg)	110 (19.3)	75 (13.1)	D5147
Elongation at peak load @ 73.4°F (23°C); % (avg)	45	45	D5147
Tear strength @ 73.4°F (23°C); lbf (N) (avg)	150 (667)	115 (512)	D5147
Dimensional stability; % (max)	< 0.5	< 0.5	D5147
Low temperature flexibility; °F (°C) (max)	5 (-16)	5 (-16)	D5147
Compound stability; °F (°C) (min)	> 275 (135)	> 275 (135)	D5147
Granule embedment; g (avg)	< 2.0		D5147

All values shown are nominal and subject to normal manufacturing tolerances.

COOL ROOF RATING

Product	Solar Reflectance		Thermal Emittance		SRI	
SOPREMA SELECT APP POLY FLAM GR HIGHLY REFLECTIVE WHITE GRANULES (SG)	0.69 INITIAL	0.63 3-YEAR*	0.91 INITIAL	0.90 3-YEAR*	85 INITIAL	76 3-YEAR*

NOTE: The 3-year values are from the CRRR rapid ratings.



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INSTALLATION

Surface Preparation	The substrate should be clean, stable, dry, free of any loose materials, grease, and other contaminants, which may compromise the product's performance.
Minimum Installation Temperature	40°F (4°C)
Installation	Install with traditional torch roofing techniques ensuring proper heating of the roofing material as not to expose the reinforcement. Apply consecutive rolls providing a minimum 6-inch end lap and 3-inch side lap. A 1/4 inch bleed-out should be visible at all seams.
Recommendations/ Restrictions	When heat welding on combustible substrates (wood, plywood, and OSB), a protective cover board must be installed before application. Keep any combustible material away from an open flame.
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.



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Florida State
Wide Approval



MIAMI-DADE COUNTY
APPROVED