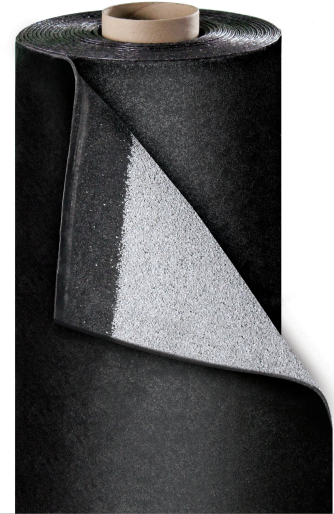# DERBICOLOR® XPS-FR-CR

Highly reflective, bright white granule surfaced, APP modified bitumen waterproofing membrane

ADVANTAGES

▶ High quality 4.5 mm (180 mil) granule surfaced APP modified bitumen roofing membrane

▶ Performance Roof Systems' exclusive blend of APP (atactic polypropylene) polymers and select asphalts enhances the weathering capabilities and UV resistance of the membrane

▶ Triple reinforced with a heat resistant non-woven fiberglass mat followed by fiberglass and polyester scrim that increases the membrane's strength and durability

▶ Ultra-reflective granules are integrated into the roof's surface to create solutions that provide the solar reflective index (SRI) ratings needed to comprehensively meet the highest U.S. requirements

▶ Meets and exceeds requirements of ASTM D6223, Type II, Grade G

▶ Can be applied with PERMASTIC Cold Adhesive or heat welded

TECHNICAL CHARACTERISTICS

DERBICOLOR® XPS-FR-CR Results*			
PROPERTY	**MD**	**XMD**	**ASTM**
Peak Load @ 0°F; lbf/in	**230**	**240**	D5147
Peak Load @ 73.4°F; lbf/in	**160**	**175**	D5147
Elongation at Peak Load @ 0°F; %	**5**	**6**	D5147
Elongation at Peak Load @ 73.4°F; %	**5**	**7**	D5147
Tear Resistance @ 73.4°F; lbf	**260**	**295**	D5147
Dimensional Stability; %	**< 0.5**	**< 0.5**	D1204/D5147
Low Temperature Flexibility @ 32°F	**Pass**	**Pass**	D5147

PROPERTY	**MINIMUM**	**ASTM**
Compound Stability @ 230°F	**Pass**	D5147
Granule Embedment; g	**< 1.5**	D4977/D5147

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

PRODUCT INFORMATION*

PROPERTY	**VALUE**
Thickness; mil (mm)	**180** (4.5)
Length; ft (m)	**33.5** (10.2)
Width; in (m)	**39.4** (1.0)
Weight; lb (kg)	**105** (47.2)
Net Coverage; ft² (m²)	**100** (9.2)

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

ENERGY & ENVIRONMENT

PROPERTY	**ASTM**	**INITIAL**	**3-YEAR***
Solar Reflectance	C1549	**0.69**	**0.63**
Thermal Emittance	E1371	**0.91**	**0.90**
Solar Reflectance Index	E1980	**85**	**76**

* 3-year values shown are the CRRC Rapid Ratings values.

PACKAGING & STORAGE

Packaged 20 rolls per pallet. Rolls should be stored on end, on raised platforms protected from the weather.

PERFORMANCE ROOF SYSTEMS™
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