

DERBICOLOR® P-FR-CR Ultra

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

ADVANTAGES

- ▶ High-quality 4.5 mm (180 mil) granule-surfaced APP (atactic polypropylene) modified bitumen roofing membrane
- ▶ Performance Roof Systems' exclusive blend of APP polymers and select asphalts enhances the weathering capabilities and UV resistance of the membrane
- ▶ Reinforced with a tough, heavyweight polyester mat fortified with continuous fiberglass runners in both machine and cross-machine directions
- ▶ Ultra-reflective granules are integrated into the roof's surface, producing a solar reflective index (SRI) ratings that meets the highest U.S. requirements
- ▶ Meets or exceeds requirements of ASTM D6222, Type II, Grade G
- ▶ Can be applied with PERMASTIC Adhesive or heat welded



TECHNICAL CHARACTERISTICS

DERBICOLOR® P-FR-CR Ultra Results*

PROPERTY	MD	XMD	ASTM
Peak Load @ 0°F; lbf/in	185	146	D5147
Peak Load @ 73.4°F; lbf/in	146	117	D5147
Elongation at Peak Load @ 0°F; %	43	34	D5147
Elongation at Peak Load @ 73.4°F; %	59	57	D5147
Ultimate Elongation @ 73.4°F; %	62	60	D5147
Tear Resistance @ 73.4°F; lbf	193	157	D6222
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	< 2.0	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)	112 (50.8)
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.