

# DERBILUME® FR

Fiberglass reinforced, SBS modified bitumen aluminum surfaced waterproofing membrane

## DESCRIPTION

Derbilume FR is an SBS-modified bitumen caps sheet for use in approved multi-ply membrane and flashing assemblies. Derbilume FR is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and is reinforced with a high strength glass scrim. The topside is surfaced with an aluminum foil and underside is surfaced with polyolefin burn-off film to optimize heat welding.

## APPLICATION



**HEAT  
WELDED**



**MINI  
MACADEN**

Prior to installation, unroll Derbilume FR onto the roof surface and allow to relax. Once positioned, back roll the product and install using standard heat welding practices. For complete application instructions contact Performance Roof Systems Technical Services for recommendations.

## TECHNICAL CHARACTERISTICS

### DERBILUME® FR Results \*

PROPERTY	MD	XMD	ASTM
Peak Load @ 0°F; lbf/in	<b>200</b>	<b>175</b>	D6298
Peak Load @ 73.4°F; lbf/in	<b>95</b>	<b>95</b>	D6298
Elongation at Peak Load @ 0°F; %	<b>10</b>	<b>10</b>	D6298
Elongation at Peak Load @ 73.4°F; %	<b>20</b>	<b>20</b>	D6298
Tear Resistance @ 73.4°F; lbf	<b>190</b>	<b>205</b>	D6298
Dimensional Stability; %	<b>&lt; 0.2</b>	<b>&lt; 0.2</b>	D1204/D5147
Low Temperature Flexibility @ 32°F	<b>Pass</b>	<b>Pass</b>	D1876
Compound Stability @ 230°F	<b>Pass</b>	<b>Pass</b>	D5147

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

## PRODUCT INFORMATION \*

PROPERTY	VALUE
Thickness; mil (mm)	<b>157</b> (4.0)
Length; ft (m)	<b>32.8</b> (10.0)
Width; in (m)	<b>39.4</b> (1.0)
Weight; lb (kg)	<b>94</b> (42.7)
Net Coverage; ft² (m²)	<b>96.6</b> (9.0)

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

## ENERGY & ENVIRONMENT

PROPERTY	ASTM	INITIAL	3-YEAR *
Solar Reflectance	C1549	<b>0.87</b>	<b>0.72</b>
Thermal Emittance	E1371	<b>0.05</b>	<b>0.10</b>
Solar Reflectance Index	E1980	<b>93</b>	<b>64</b>

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

## PACKAGING & STORAGE

Packaged 25 rolls per pallet. Rolls should be stored on end, on raised platforms protected from the weather.



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