

BITUTAK[®] MB MINERAL CR

BY **SOPREMA[®]**

PD22908BT-REV. 120921

PRODUCT DESCRIPTION

BITUTAK[®] MB Mineral CR is a 4.1 mm (161 mils) APP (Atactic Polypropylene) modified bitumen cap sheet enhanced with a highly reflective granule surfacing for approved multi-ply membrane and flashing assemblies. Building on the exceptional waterproofing performance and durability you come to know from BITUTAK[®], SOPREMA has enhanced the sheet with a highly reflective granule surfacing. Incorporating highly reflective granules protects the membrane from degradation caused by solar heat and UV radiation preserving the sheets flexibility, thus increasing its life expectancy.



PHYSICAL PROPERTIES

PROPERTY / UNIT	MD	XMD	ASTM TEST METHOD
Peak Load @ 0°F (-18°C); lbf/in (kN/m)	145 (25.4)	105 (18.4)	D5147
Elongation at Peak Load @ 0°F (-18°C); %	30	25	D5147
Peak Load @ 73.4°F (23°C); lbf/in (kN/m)	110 (19.3)	75 (13.1)	D5147
Elongation at Peak Load @ 73.4°F (23°C); %	45	45	D5147
Tear Strength @ 73.4°F (23°C); lbf (N)	150 (667)	115 (512)	D5147
Dimensional Stability; %	< 0.5	< 0.5	D5147
Low Temperature Flexibility; °F (°C)	3 (-16)	3 (-16)	D5147
Compound Stability; °F (°C)	> 275 (135)	> 275 (135)	D5147
Granule Embedment; g	< 2.0		D5147

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

PRODUCT INFORMATION

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	THICKNESS (mils)	WEIGHT (lb)	COVERAGE (sq ft)
D6222 Type 1, Grade G	32.8 (10.0 m)	39.4 (1.0 m)	161 (4.1 mm)	103 (46.7 kg)	97.9 (9.1 sq m)

COOL ROOF RATING

SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
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.



CR Granule detail



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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 ¼ inch bleed-out should be visible at all seams.
Recommendations/ Restrictions	When heat welding on combustible substrates (wood, plywood, and OSB), a protective coverboard must be installed before application. Keep any combustible material away from an open flame.

FIRE SAFETY GUIDELINES

Torch application of BITUTAK[®] MB Mineral may threaten fire if strict application standards and procedures are not followed. All operators of torch equipment should be thoroughly trained. In addition, a fire watch should be maintained on the project for no less than 60 minutes following the last heat-welded work of the day. An ABC-approved fire extinguisher should be on the site for each torch in operation.

PACKAGING & STORAGE

Each pallet contains 20 rolls. Rolls should be stored on end, on raised platforms, and protected from the weather.

