

ROOFING

505MS Karna-Flex WB



Read Safety Data Sheet before using this product.

DESCRIPTION: 505MS Karna-Flex WB is an acrylic elastomeric, water-borne mastic. Its ease of application, superior adhesion, elasticity and durability make Karna-Flex WB an ideal repair sealant. Available in a brush mastic or caulking cartridge.

USES: 505MS Karna-Flex WB's elastomeric properties make it an excellent sealant for making repairs to built-up asphalt roofs, modified bitumen membrane roofs, prepared EPDM and metal roofs, concrete, spray polyurethane foam as well as aged TPO, PVC and Hypalon roof substrates. Ideal for sealing flashings, curbs and waterproofing metal roof seams, gutters, fasteners, and skylights. Excellent for sealing flashings, penetrations and around roof top equipment on asphalt BUR roofs and modified bitumen membrane roofs. Use in place of flashing cement for repairs to all types of asphalt roofs prior to applying white coatings.

FEATURES, BENEFITS AND ADVANTAGES:

1. White elastomeric sealant
2. Application by brush or caulking gun
3. Excellent adhesion over many surfaces
4. Low VOC, water-based, low odor
5. Sets up quick for coating over
6. Resistant to mold and mildew growth
7. Low temperature flexibility - specialty selected polymers and resins impart superior low temperature properties
8. UV stable, may be left exposed

SURFACE PREPARATIONS: All surfaces to be sealed must be clean, dry and free from oil, grease and other foreign matter. Recommended application temperature is 40°F to 120°F. Remove silicone or other sealants before using.

APPLICATION: General Repairs: Apply 505MS Karna-Flex WB by brush or caulking gun. For sealing flashings and lap seams use fabric reinforcement between layers of 505MS Karna-Flex WB. Apply sealer in a 1/16" to 1/8" width then immediately embed 5540 Resat-Mat fabric into the wet coating. Smooth out fabric then apply another layer of sealer. Some shrinkage may occur and require an additional application of 505MS Karna-Flex WB. **Metal Roofing Repairs:** For horizontal seams and cracks 1/16" wide or larger, apply 505MS Karna-Flex WB at an average thickness of 1/16" to completely cover the crack. Immediately embed one layer of Resat-Mat and cover with another application of 505MS Karna-Flex WB. Make sure to smooth the fabric out completely and cover. Allow to cure 24 hours before applying subsequent coatings, if desired. Apply caulking directly in and over cracks using appropriate caulking gun. Not intended for use in areas that pond water.

COVERAGE RATE: 505MS Karna-Flex WB is typically applied in a 1/16" to 1/8" thickness depending upon the substrate which equates to a coverage rate of 4 to 8 gallons per 100 sq. ft. When sealing cracks and joints apply in two applications with fabric reinforcement.

Coverage Rates with Fabric Reinforcement: Approximate			
	Fabric Width	4"	6"
If Mastic Applied at 1/16" thick , two applications (Lineal Feet per Gallon)		25'	18'
If Mastic Applied at 1/8" thick , two applications (Lineal Feet per Gallon)		12'	9'
Fastener Coverage:			
Place a dollop (swirl coat) over exposed metal fasteners. Approximate coverage rate is 250 fasteners per gallon			
Caulking Cartridge:			
A 1/4" x 1/4" bead will yield approximately 75 lineal feet per 30-oz. cartridge.			

CAUTION: Do not apply when rain is imminent. Protect from freezing. Coating must be dried before exposure to water. Store in a heated room and keep container covered when not in use. Do not thin. Keep out of reach of children. Avoid prolonged contact with skin. Dispose of in an environmentally safe manner. Cover air intakes during application and while drying. For exterior use only.

Cold-process systems and coatings, either emulsion or solvent-based, should only be installed on decks with positive drainage. Per NRCA (National Roofing Contractors Association), "The criteria for judging proper slope for drainage is that there be no evidence of standing water on a deck 48 hours after it stops raining."

NOTE: PVC and TPO roofs should at least be 4 years old before using this product.

PACKAGING: Available in 3.5-gallon buckets, 5-gallon pails, 55-gallon drums, and 10.1-oz. caulking cartridges

If further information is needed, contact KARNAK Technical services at 800-526-4236.

PHYSICAL PROPERTIES & SPECIFICATIONS

Weight per Gallon:	11.8 lbs.
Solids by Weight:	72%, Nominal
Solids by Volume:	65%, Nominal
Color:	White
Elongation:	500%, Nominal ASTM D 2370
Tensile Strength:	159 PSI, Nominal ASTM D2370
Reflectance:	75% ASTM D 2824
Accelerated Weathering:	Pass/No Cracks - ASTM G155 after 1,000 hrs.
Firm Set:	Pass – ASTM D 2939
Resistance to Water:	Pass – ASTM D 2939
Firm Set:	Pass – ASTM D 2939 24 hours@ 77°F and 50% Relative Humidity
Application Temp.:	40°F to 120°F
Service Temp (Cured Film):	-15°F to 180°F
VOC Content:	70 g/L MAX

Tested in compliance with FBC (HVHZ) TAS 139

