

505MS Karna-Flex WB

DESCRIPTION:

505MS Karna-Flex WB is an acrylic elastomeric, water-borne mastic formulated for use on built-up asphalt roofing, modified bitumen membranes and properly prepared metal, concrete, spray polyurethane foam and plywood roof substrates. Its ease of application, superior adhesion, elasticity and durability make Karna-Flex WB an ideal repair sealant.

FEATURES, BENEFITS AND ADVANTAGES:

- White elastomeric sealant
- Easy application by brush or bulk loading caulking gun.
- Excellent adhesion to many surfaces.
- Sets up quick for coating over.
- Low temperature flexibility—specially selected polymers and resins impart superior low temperature properties to the coating.
- Low VOC, water-based, no odor.
- Resistant to mold and mildew growth.
- UV stable, may be left exposed.

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 metal, concrete, spray polyurethane foam and plywood roof system details. Ideal for sealing flashings, curbs and waterproofing metal roof seams, gutters, fasteners, pinholes in metal and skylights. Excellent for sealing flashings on asphalt BUR roofs and modified bitumen membrane roofs. Ideal for sealing around penetrations and roof top equipment. Use in place of flashing cement for repairs to all types of asphalt roofs prior to applying white coatings.

SURFACE PREPARATION:

All surfaces to be sealed must be dry, clean and free from rust, loose coating and caulk, 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

505MS Karna-Flex WB should be applied by stiff brush or bulk loading caulking gun, depending on the application. Apply sealer when temperatures are above 40°F and rain is not forecasted within 24 hours.

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

KARNAK

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apply another layer of sealer. Some shrinkage may occur and require an additional application of 505MS Karna-Flex WB.

For metal roofing follow these application guidelines:

1. Horizontal Seams and Cracks 1/16" wide or larger
 - Using 550 Patch-N-Go Fleece Tape, adhere tape to crack as directed per product application guidelines. Apply 505MS Karna Flex WB at an average thickness of 1/16" to completely cover the polyester face of the tape and feather out.
 - Using 5540 Resat-Mat, apply a 1/16" thick application of 505MS Karna-Flex WB then immediately embed one ply or Resat-Mat fabric into the wet coating. Smooth out fabric then apply another layer of 505MS Karna-Flex WB.
2. Screws/Fasteners, Vertical Seams and Cracks less than 1/16"
 - Over screws and fasteners apply a dollop of 505MS Karna-Flex WB to completely enclose the screw/fastener with either a 2" wide brush or bulk loading caulking gun.
 - Over vertical seams and cracks less than 1/16" wide, back brush a minimum 2" wide application of 505MS Karna-Flex WB at an appropriate thickness of 1/16" to 1/8".

Allow to cure 24 hours before applying any coatings over. Not intended for use in areas that pond water.

PHYSICAL PROPERTIES:

Weight per Gallon:	11.8 lbs.
%NV by Weight:	70%
%NV by Volume:	65%
Color:	White
VOC:	Please visit www.karnakcorp.com for latest VOC content as products are updated to comply with the most current VOC regulations
Tensile Strength:	40 psi.
Elongation:	500%
Low Temp Flex:	ASTM-C-734: Pass / No Cracking
Recovery:	75% min.

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CAUTION:

Material is for building exterior applications only. Do not apply when rain is imminent. Protect from freezing. Sealant must be dried before exposure to water. Do not take internally. If swallowed, do not induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN. Keep container covered when not in use. Do not thin. Dispose of in an environmentally safe manner. Cover air intakes during application and while drying. Not for use on areas that pond water, roofs should have positive drainage.

PACKAGING:

30 oz. caulking cartridges; 1 gallon, 3.5 gallon and 5 gallon pails.

If further information is needed, contact KARNAK Technical Services at 1-800-526-4236.

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