

502MS Karna-Flex Caulk

DESCRIPTION:

KARNAK 502MS Karna-Flex Caulk is an elastomeric, thermoplastic-rubber mastic formulated for use on properly prepared metal, concrete, EPDM, TPO, Hypalon, EP, and most PVC membranes as well as spray polyurethane foam and plywood roof substrates. Its ease of application, superior adhesion, elasticity and durability make 502MS Karna-Flex Caulk an ideal repair sealant.

FEATURES, BENEFITS AND ADVANTAGES:

1. One component—no need to intermix with other materials.
2. Easy application by caulking gun.
3. Superior film—forms a durable, weather resistant elastomeric membrane.
4. Superior adhesive and cohesive strength.
5. Low temperature flexibility—specially selected polymers and resins impart superior low temperature properties to the coating.
6. Adheres to wet or dry surfaces (wet surfaces require tooling with positive pressure)

USES:

502MS Karna-Flex's elastomeric properties make it an excellent sealant for prepared metal, concrete as well as EPDM, TPO and most PVC membrane roof system seams and flashings. Also use on spray polyurethane foam and plywood roof system details. Ideal for sealing and waterproofing metal roof seams and splits, gutters, fasteners, pinholes in metal, flashing and curb details. Also use to seal around skylights, penetrations and roof top equipment. May be applied to wet or dry surfaces. Application to wet surfaces will require tooling with positive pressure to achieve adhesion. PVC and TPO roof surfaces should be at least 4 years old prior to application.

NOTE:

TPO and PVC membrane must be at least 4 years old before using on these membranes. 502MS Karna-Flex Caulk White is not recommended for use over asphaltic substrates due to the likelihood of asphalt bleed through. Contact KARNAK for alternative products.

SURFACE PREPARATION:

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. Excess water should be removed, if possible, before application

APPLICATION:

Apply directly in and/or over cracks using an appropriate caulking gun.

COVERAGE:

Application rate of a ¼" x ¼" bead of caulk will yield approximately 75 lineal feet per 30 oz. caulking cartridge. Coverage rate may vary depending on desired thickness and surface being caulked. Allow to cure 24 hours.

KARNAK

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WEB: <http://www.karnakcorp.com>



502MS Karna-Flex Caulk

PHYSICAL PROPERTIES:

Weight per Gallon:	9.5 lbs. – ASTM D1475
Solids by Weight:	64%
Solids by Volume:	52%
Color:	White
Tensile Strength:	168 psi (nominal) - ASTM D412
Elongation:	913% (nominal) - ASTM D412
Reflectance:	83% - ASTM D2824
Resistance to Water:	Pass – ASTM D2939
Low Temp Flex:	-40°F
ASTM C734:	No cracking/pass
Recovery:	75% min.
Maximum Shrinkage:	25%
VOC:	Please visit www.karnakcorp.com for latest VOC content as products are updated to comply with the most current VOC regulations

CAUTION:

Do not use near open flame. Material is for building exterior applications only. Avoid breathing solvent fumes and prolonged contact with skin. 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.

NOTE: Due to differences in TPO and PVC membrane formulas and installation specifications, variations exist which can affect how coatings may bond or behave over an existing membrane. Some membranes may wrinkle after application. This condition generally relaxes over time as the membrane weathers and the solvents evaporate. In addition, some PVC membranes may release plasticizers that can soften the applied coating. Applicators should perform in-field adhesion testing and compatibility testing to determine the appropriateness of the coating and confirm desired results.

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 THE DECK 48 HOURS AFTER IT STOPS RAINING".

PACKAGING:

502MS Karna-Flex Caulk: 30 oz. Caulking Cartridges



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

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