

DESCRIPTION:

Karnak Karna-Flex is an elastomeric, thermoplastic-rubber sealant formulated for use on properly prepared metal, concrete, EPDM, TPO and most PVC roof membranes, spray polyurethane foam and plywood roof substrates. Its ease of application, superior adhesion, elasticity and durability make Karna-Flex an ideal repair sealant. Available in a brush mastic or caulking cartridge.

USES:

Karna-Flex's elastomeric properties make it an excellent sealant for prepared metal, concrete, spray polyurethane foam and plywood roof system details. Ideal for sealing and waterproofing metal roof seams and splits, EPDM, TPO and most PVC roof seams and flashings, gutters, fasteners, pinholes in metal, flashing and curb details. Also use to seal around skylights, penetrations and roof top equipment. TPO and PVC roofing membranes must be at weathered at least four years. Do not apply over asphaltic surfaces.

ADVANTAGES:

1. One component—no need to intermix with other materials.
2. Easy application by brush or caulking gun.
3. Superior film—forms a durable, weather resistant elastomeric membrane.
4. Has superior adhesive and cohesive strength.
5. Low temperature flexibility—specially selected polymers and resins impart superior low temperature properties to the coating.

SURFACE PREPARATION:

All surfaces to be sealed must be clean, dry and free from oil, grease and other foreign matter.

APPLICATION:

Apply Karna-Flex by brush or caulking gun.

1. Horizontal Seams and Cracks 1/16" wide or larger.
 - Using Karnak 550 Patch-N-Go Fleece Self Sealing Tape, adhere tape to crack as directed per production application guidelines. Apply Karna-Flex at an average thickness of 1/16" to completely cover the polyester face of the tape and feather out.
 - Or, using Karnak Resat-Mat, apply Karna-Flex 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 Karna-Flex. Make sure to smooth the fabric out completely and cover.
2. Screws/Fasteners, Vertical Seams and Cracks less than 1/16"
 - Over screws and fasteners apply a dollop of Karna-Flex sealant to completely enclose the screw/fastener with either a 2" wide brush or caulking gun.
 - Over vertical seams and cracks less than 1/16" wide, back brush a minimum 2" wide application of Karna-Flex sealant at an appropriate thickness of 1/16" to 1/8" thickness or a 1/4" wide bead of caulk. A 1/4" x 1/4" bead of caulk will yield approximately 75 lin. ft. per 30 oz. caulking cartridge.

Product will cure within approximately 24 hours. If continuing with 502 Elasto-Kote System is desired, allow all repairs to cure before proceeding.

PHYSICAL PROPERTIES:

Weight per Gallon:	9.5 lbs
Maximum Shrinkage:	25%
Color:	White
Tensile Strength:	40 psi
Elongation:	500%
Low Temp Flex	0°F
ASTM-C-734:	No cracking/pass
Recovery:	75% min.
VOC:	430 gm/L

CAUTION:

Do not use near open flame. 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.

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:

Karna-Flex:	3 Gallon Buckets
	30 oz. Caulking Cartridges

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