

502 RC-W Elasto-Kote (Metal Roof Restoration System)

Preparation and Application Guidelines:

1. All fasteners should be re-tightened or replace as necessary. Stripped fasteners must be replaced with larger fasteners. All fasteners must include a neoprene washer.
2. The roof should be power washed with TSP substitute and water maintaining a minimum of 3000 - 3500 psi of working pressure. This should remove dirt, dust, and waste products, i.e. grease, animal fats, solvents, loose roofing products and any air borne pollutants.
3. Rusted through panels or sections must be replaced.
4. Heavily rusted areas must be wired brushed down to clean, stable metal.
5. All horizontal seams must be treated in one of the following ways:

Option 1: Using Karnak 4" 550 Patch-N-Go Fleece Tape:

- a. Peel back the release sheet and apply 550 Patch-N-Go Fleece Tape exactly to the horizontal seam. Try not to remove as this may damage the seam sealing tape. Do not stretch tape.
- b. Press down firmly starting at the center and working towards the outside edge, removing bubbles. Slight wrinkling should not affect the performance of the seal. Edges must be free of fishmouths, uplifts and tunnels.
- c. Press firmly where tape goes over any fasteners.
- d. Finish seam by applying Karna-Flex over the taped seam. Apply Karna-Flex with a 3" or 4" brush. Apply at an average thickness of 1/16" to completely cover the polyester face of the tape and feather out. Coverage of Karna-Flex is approximately 50 lineal feet per gallon.

Option 2: Using Karnak 4" Resat-Mat:

- a. Apply a base coat of Karna-Flex over the seam in a 1/16" thickness by 6" width with a 3" or 4" brush.
 - b. While still wet, embed 4" wide Resat-Mat in the Karna-Flex. Brush Resat-Mat to smooth out and remove any wrinkles or fishmouths.
 - c. Apply a final coat of Karna-Flex over the embedded Resat-Mat. Apply at an average thickness of 1/16" to completely cover the polyester mat and feather out. No mat should be visible. Total coverage of Karna-Flex in this application is approximately 25 lineal feet per gallon.
6. If all vertical seams are rolled over and crimped, nothing needs to be done. If seams are only overlapped but tight, they should only receive a 1" wide application of Karna-Flex. If seams are open, follow treatment for horizontal seams as describe above. A good rule of thumb is if you can slip a credit card

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in the seam then it needs seam tape. Coverage of Karna-Flex will be approximately 85 lineal feet per gallon.

7. Any fasteners in the field of the roof not already protected as part of a seam detail must receive a dollop (swirl coat) of Karna-Flex to completely enclose the fastener. Coverage of Karna-Flex is approximately 250 fasteners per gallon.
8. All protrusions should be flashed with 550 Patch-N-Go FleeceTape or Resat-Mat and Karna-Flex, following good roofing practices and roofing industry standards. 550 Patch-N-Go FleeceTape or Resat-Mat and Karna-Flex may be overlapped by 1" for addressing wider repairs.
9. Allow all repairs and seam details with Karna-Flex to cure for 24-48 hours.
10. Apply Karnak 502 Self-Priming Base at a rate of 1.25 - 1.5 gallons per 100 square feet. Allow base coat to dry a minimum of 24 hours before applying the finish coating.
11. Finally, apply 502 RC-W Finish Coat White at a rate of 1.25 - 1.5 gallons per 100 square feet and allow to dry.

Note: Field measurements are essential because actual square footage of corrugated roofs are more than conventional flat roofs. There could be as much as 20% difference in the total square footage.

MATERIAL LIST:

Product	Coverage
Karna-Flex	
Fasteners:	250 fasteners per gallon
Vertical Seams:	75 lineal feet per gallon
Horizontal Seams:	50 lin.ft. per gallon
Resat-Mat	
550 Patch-N-Go FleeceTape:	4" x 65.5' per roll
Resat-Mat:	4" x 300' per roll
502 Self-Priming Base:	1.25 - 1.5 gallons per 100 sq.ft.
502 RC-W Finish White	1.25 - 1.5 gallons per 100 sq.ft.

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Note: Do not apply over asphaltic or aluminum coated surfaces

The above specification is offered as a service to the specifier. Karnak Corporation does not practice architecture nor engineering and recommends that you consult a registered architect, engineer and/or roofing consultant.

Please see page 222 for additional mold and safety information.