KARNAK Acrylic Roof Coating Products
• 400 Series Self-Priming Elastomeric Base Coats
• 500 Series Acrylic Elastomeric Finish Coats
• 505MS Karna-Flex WB Acrylic Elastomeric Sealant
ACRYLIC ELASTOMERIC ROOF COATING SYSTEMS

KARNAK Reflective Coating Systems – What Smart Roofers Trust.
KARNAK acrylic, elastomeric roof coating systems outperform other systems because we start where it counts – with the base coat. We know from our more than 80 years of manufacturing coatings that if the coating doesn’t adhere to the substrate, the system won’t perform.

That’s why we studied the various roof systems and developed four substrate-specific base coat formulations designed to adhere to each different type of roof. Even better, KARNAK base coats are self-priming which means they can reduce application steps for contractors compared to systems that require priming the surface before application.

The KARNAK specialty base coats are designed specifically for each type of roof including: metal, concrete, asphalt, previously coated roofs, EPDM, new SPF roofs, and aged single-ply membranes including TPO, PVC, Hypalon and EP roofs.

The specialized base coats can then be paired with any one of KARNAK’s acrylic elastomeric finish coats – 501, 505HS, 529 or 535 – for a truly customized, energy-saving system that will meet the needs of both the building owner and the contractor.

Benefits:
• Extends roof life
• Seamless application
• Avoids costly roof replacement
• May qualify for tax incentives and rebates
• Protects your building investment

Repair Sealant
505MS Karna-Flex WB
White elastomeric, water-borne repair mastic. Provides excellent adhesion on metal, SPF, BUR, Mod-Bit, APP, prepared EPDM, concrete, flashing details and Aged TPO, PVC & Hypalon roofs.

• Unsurpassed elongation
• Thixotropic viscosity for faster application
• Pump apply via airless spray equipment
• UV stable, can be left exposed
• Low VOC, water based
• Use alone or with KARNAK 5540 Resat-Mat

Reinforcing Fabric
5540 Resat-Mat
100% Polyester flexible membrane for reinforcing repairs and details on smooth or irregular surfaces. Available in 4’, 6” & 12” wide x 300’ and 40” wide x 324’.

Roof Cleaners
799 Wash-N-Prep
Concentrated liquid TSP substitute specifically formulated to clean roof surfaces prior to the application of roof coatings. Dilute at 1 qt/1,600 sq ft before power washing with clean water.

507 SPC Primer/Wash
Water-based cleaner formulated to safely clean and prepare EPDM roof surfaces for coatings and repairs. Apply at 0.2 gal / 100 sq. ft. Allow to sit on the roof surface for 20 minutes then rinse at 2,000 - 3,000 PSI using a heavy duty power washer.

Kynar® Primer
702 K-Prep
100% Acrylic elastomeric co-polymer emulsion primer formulated to improve acrylic coating adhesion to weathered Kynar®-coated metal.

Self Adhered Tapes
550F Patch-N-Go™ Fleece Tape
Composed of highly adhesive butyl rubber compounds developed to quickly seal surfaces and stop the intrusion of moisture.
### Highly Reflective, Elastomeric Finish Coatings

<table>
<thead>
<tr>
<th>Finish Coats</th>
<th>Formulated for long-term performance, KARNAK's finish coatings can be applied over any KARNAK base coat, enhancing longevity on all types of roofs. These coatings offer superior color stability, dirt resistance, help save energy, extend roof life and reduce surface temperature. They are easily applied by spray, brush or roller.</th>
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| 501 Elasto-Brite | Premium co-polymer elastomeric roof coating. Provides superior UV protection, cold-temperature flexibility, mildew resistance and high reflectivity for optimal energy efficiency and performance.  
• 52% Solids by volume; 300% elongation  
• FM, UL, NSF  
• Solar Reflectance 86% Init., 77% 3Yr.  
• Low temperature flexibility -26° C (-15°F)  
• Standard colors: White, Khaki Tan, Gray, Patina Green, Red |

| 505HS Mohave Coat | Premium high-solids co-polymer elastomeric roof coating that provides high film build, excellent low temperature flexibility, UV protection and reflectivity.  
• 57% Solids by volume; 210% elongation  
• Solar Reflectance 86% Init., 77% 3Yr.  
• Low temperature flexibility -26° C (-15°F)  
• Standard colors: White, Desert Tan and Adobe Brown |

| 529 Renu-White | Economic elastomeric coating that affords building owners energy savings benefits of a highly reflective coating while providing good resistance to UV degradation.  
• 50% Solids by volume; 480% elongation  
• Low temperature flexibility -10° C (14°F)  
• Solar Reflectance 85% Init., 73% 3Yr.  
• Standard colors: White, Khaki Tan and Desert Tan |

| 535QS Enviro-Lastic | Highly reflective, elastomeric coating with Quick-Set technology that protects against rain wash-off after only 20 minutes of application.  
• 52% Solids by volume; 140% elongation  
• Solar Reflectance 85% Init., 73% 3Yr.  
• Standard Colors: White and Khaki Tan  
• Low temperature flexibility -26° C (-15°F)  

KARNAK base & finish coats are available in 5, 55 & 275 gallon packaging. Custom colors available; refer to color chart.

### Acrylic Elastomeric Base Coatings

<table>
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<tr>
<th>Base Coats</th>
<th>KARNAK's self-priming elastomeric base coats are formulated for long-term adhesion and performance over specific substrates including: metal, concrete, asphalt, previously coated roofs, EPDM, new SPF roofs, and aged single-ply membranes including TPO, PVC, Hypalon and EP. When paired with a KARNAK acrylic, elastomeric finish coat, KARNAK's low-VOC Base Coats eliminate the need for primer and feature easy application by spray, brush or roller.</th>
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| Metal Roofs | 404 Corrosion Proof  
Formulated for use on properly prepared and cleaned new or lightly rusted metal roofs. NO NEED for rust inhibitor as its built into the product.  
• Rust inhibitors prevent development of new rust  
• Superior adhesion to metal  
• 500% elongation  
• 53% solids by volume |

| Asphalt & Previously Coated Roofs | 405 Bond-N-Shield  
Provides excellent adhesion to asphalt surfaces, and prevents bitumen oils or plasticizers from migrating to the roof surface.  
• 3 Perms: improved stability in temporary ponding areas  
• Stain blockers prevent asphalt bleed-through  
• Formulated to settle deep into irregular surfaces, reducing trapped air  
• 800% elongation  
• 53% solids by volume |

| TPO, PVC, Hypalon, EP Roofs | 406 Tru-Grip Base  
Specifically formulated as a base coat to enhance adhesion to weather aged single-ply roofs including TPO, PVC, Hypalon and EP roofing membranes.  
• Blocking technology prevents membrane plasticizer migration  
• Superior adhesion to TPO, PVC and Hypalon  
• 263% elongation  
• 53% solids by volume |

| EPDM and New Spray Foam Roofs | 407 EPDM & SPF Base  
Specifically formulated as a base coating to enhance adhesion to EPDM, Spray Polyurethane Foam and concrete roofing systems.  
• Excellent adhesion to EPDM when cleaned with 507 SPC Primer/Wash  
• Unsurpassed adhesion to new Spray Polyurethane Foam  
• 237% Elongation  
• 61% Solids by volume |

KARNAK base & finish coats are available in 5, 55 & 275 gallon packaging. Custom colors available; refer to color chart.
SUBSTRATE-SPECIFIC APPLICATION GUIDE

**KARNAK Elastomeric Finish Coats**

**Step 3:** Select one of the above KARNAK Finish Coats

- **405 Bond-N-Shield Base Coat**
  - Stain blockers prevent asphalt bleed
  - Superior adhesion and blister resistance
  - Apply at 1.5 - 2 gallons/100 sf
  - Blue indicator color

- **404 Corrosion Proof Base Coat**
  - Self-primer base coat
  - Encapsulates rust on prepared metal
  - Stops formation of rust and corrosion
  - Light gray indicator color

- **406 Tru-Grip TPO & PVC Base Coat**
  - Self-priming base coat
  - Promotes adhesion and coating durability
  - Improves blister resistance
  - Marine green indicator color

- **407 EPDM & SPF Base Coat**
  - Self-priming base coat
  - Promotes adhesion and coating durability
  - Improves blister resistance
  - Light pink indicator color

**KARNAK Substrate-Specific Elastomeric Base Coats**

**Step 2:** Apply Substrate-Specific Base Coat at 1.5 gallons per 100 square feet

- **529 Renu-White**
  - Reflective co-polymer acrylic
  - Excellent choice for recoats
  - 50% solids by volume
  - ENERGY STAR, CRRC, CA Title 24

- **505 HS Mohave Coat**
  - High-solids 100% acrylic elastomeric
  - Excellent for spray applications
  - 57% solids by volume
  - ENERGY STAR, CRRC, ASTM D-6083, CA Title 24

- **501 Elasto-Brite**
  - Premium polymer, elastomeric coating
  - Superior reflectivity and elongation
  - 52% solids by volume
  - ENERGY STAR, FM, UL, CRRC, Miami-Dade, ASTM D-6083, CA Title 24

- **535 Enviro-Lastic QS**
  - Quick-set, elastomeric coating
  - Rain washout resistant in 20 minutes
  - 52% solids by volume
  - ENERGY STAR, CRRC, Miami Dade, ASTM D-6083, CA Title 24

**ASPHALT & PREVIOUSLY COATED ROOFS**

**METAL**

**TPO & PVC**

**EPDM**

**NEW SPF**

**Substrate Selection & Prep Details**

**Step 1:** Select Substrate and follow guide from bottom to top

- **ASPHALT & PREVIOUSLY COATED ROOFS**
  - POWER WASH WITH KARNAK 799 WASH-N-PREP (1 Qt. cleans to 1,600 sf)

- **METAL**
  - 3-course seams, penetrations, drains with Karna-Flex WB and Resat-Mat
  - Coat fastener heads with Karna-Flex WB

- **TPO & PVC**
  - 3-course seams, penetrations, drains with Karna-Flex WB and Resat-Mat
  - Reinforcing critical areas with 40" Resat-Mat and 406 Tru-Grip Base Coat

- **EPDM**
  - 3-course laps and penetrations with Karna-Flex WB & 4"or 6" Resat-Mat

- **NEW SPF**
  - APPLY NEW POLYURETHANE FOAM TO SUBSTRATE
100% Acrylic - Low VOC - ENERGY STAR, CRRC, CA Title 24, ASTM D-6083

Finish Coats
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ACRYLIC ELASTOMERIC BASE COATINGS

Substrate-Specific, Self-Priming Elastomeric Base Coats - 100% Acrylic

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ACCESSORIES

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Manufacturing/Warehouse Locations:
Clark, NJ
Ft. Lauderdale, FL
Chicago, IL
Kingman, AZ

Distribution Warehouse Locations:
Renton, WA
Rancho Cucamonga, CA
Dallas, TX