

## ROOFING

### 407 EPDM & SPF (Base Coat)



**\*Read Safety Data Sheet before using this product.\***

**DESCRIPTION:** 407 EPDM & SPF is a 100% acrylic elastomeric co-polymer emulsion, specifically designed as a base coating for adhesion to EPDM and SPF (Spray polyurethane foam) roofing membranes and systems. When applied to a suitably cleaned EPDM or SPF roofs and top coated with a durable acrylic elastomeric finish coat such as 505HS Mohave Coat, 501 Elasto-Brite or 529 Renu-White, the coatings can extend the life of the existing roof membrane. The technology used in 407 EPDM & SPF enables the coating to have very good adhesion and resistance to blistering when applied to EPDM or SPF roofing systems.

**USES:** 407 EPDM & SPF is intended for use as an elastomeric base coat for application over properly prepared and clean EPDM and SPF roofing membranes and systems prior to the application of an appropriate finish coat. May also be applied over concrete surfaces with positive drainage. All surfaces must be properly cleaned, dry and leak free before coating. Suitable for horizontal and vertical applications. Meets ASTM D 6083 Type I (For use as a base coat only).

**SURFACE PREPARATIONS:** Surfaces to be coated should be dry, clean and free of dirt, dust, rust, grease, oil and loose coating. Recommended application temperature is 40°F to 120°F. Power wash EPDM surfaces using 507 SPC Primer Wash and water and SPF surfaces with 799 Wash-N-Prep Roof Cleaner and water. Wash roof surfaces with a minimum of 2000 psi. taking all necessary precautions to avoid damage to the roof system. Patch and repair all cracks, leaks and damaged areas with appropriate sealants or caulking materials. All wet insulation and foam and/or exposed foam should be removed and replaced with like materials. 407 EPDM & SPF base coat must be dry prior to application of additional coatings.

**APPLICATION:** Mix lightly prior to application of the coating. 407 EPDM & SPF may be applied by brush, spray equipment or roller. For applications in higher temperatures (above 90 °F) KARNAK recommends application in multiple thin coats to prevent trapped moisture problems. Commencement of work by the contractor implies his approval of the deck surface.

**ROLLER / BRUSH APPLICATION:** Apply with a 3/4" – 1-1/4" nap roller or soft roof brush.

**SPRAY APPLICATION:** Utilize a standard paint spray pump or airless spray pump. Equipment manufacturer should be consulted for more complete information. Spray application should be done with a 50% over-spray pattern.

**COVERAGE RATE:** Apply 407 EPDM & SPF over the surface at the rate of 1.5 gallons per 100 sq. ft. (24 wet mils). Allow to dry 8-24 hours then apply the selected finish coating. The total dry mil thickness of 406 Tru-Grip and finish coating should be 20 to 24 mils. Coverage will vary depending on the surface to be coated.

**CAUTION:** Do not apply when rain is imminent. Protect from freezing. Coating must be dried before exposure to water. Store in a heated room and keep container covered when not in use. Do not thin. Keep out of reach of children. Avoid prolonged contact with skin. Dispose of in an environmentally safe manner. Cover air intakes during application and while drying. For exterior use only.

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 a deck 48 hours after it stops raining."

**PACKAGING:** Available in 5-gallon pails, 55-gallon drums, and 275-gallon totes.

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

#### PHYSICAL PROPERTIES & SPECIFICATIONS

Weight per Gallon: 11.3 lbs.

Viscosity: 37,500 cps  
ASTM D2196 Method A

Solids by Weight: 64%, Nominal

Solids by Volume: 51%, Nominal

Color: Light Pink

Hardness, Shore A: 65

Elongation: 237%, Nominal  
ASTM D 2370

Tensile Strength: 259 PSI, Nominal  
ASTM D2370

Tear Resistance: 82 lbs. force/in.  
ASTM D 624

Cure Time: 24 to 48 hours @ 77°F  
and 50% Relative Humidity

Application Temp.: 40°F to 120°F.

Service Temp  
(Cured Film): -15°F to 180°F

VOC Content: 40 g/L MAX