

ROOFING

406 Tru-Grip (Base Coat)



Read Safety Data Sheet before using this product.

DESCRIPTION: 406 Tru-Grip is a 100% acrylic elastomeric co-polymer emulsion, specifically designed as a base coating for adhesion to weathered single-ply TPO, PVC, Hypalon, and EPDM roofing membranes. When applied to a suitably cleaned, weathered single-ply membrane roof and along with a durable acrylic elastomeric finish coat such as 505HS Mohave Coat, 501 Elasto-Brite or 529 Renu-White, or 670HS Karna-Sil Ultra silicone coating, the coatings can extend the life of the existing roof membrane. The technology used in 406 Tru-Grip enables the coating to have excellent adhesion and resistance to blistering when applied to *aged single—ply membranes (TPO, PVC, Hypalon), and EPDM. 406 Tru-Grip may also be used as a bleed-blocking base coat over smooth BUR and smooth or granule modified bitumen membranes for acrylic and silicone finish coatings.

USES: Elastomeric Roof Coating Systems that use 406 Tru-Grip as the basecoat are ideal for use over aged TPO, PVC, and Hypalon that have weathered at least four years and EPDM roofing membranes. 406 Tru-Grip will block asphalt bleed-through and may be used as a base coat over smooth and granule modified bitumen membrane roofs. Meets ASTM D 6083 Type I (For use as a base coat only).

SURFACE PREPARATIONS: Roof surfaces accumulate dirt over time and must be cleaned prior to coating with 406 Tru-Grip. It is particularly important to effectively clean ponded water areas where greater accumulations of dirt can occur. For optimal adhesion and water resistance, water alone is insufficient to clean membranes properly. Suitable liquid cleaners such as 507 SPC Primer/Wash (for EPDM) and 799 Wash-N-Prep Roof Cleaner (for TPO, PVC, Hypalon, Mod. Bit., all other roofs) can be spray applied over the entire surface followed by a thorough power washing. Power wash roof surfaces using a pressure of 2,500 to 3,500 psi with a wide fan tip. All residual cleaning agents must be removed, otherwise they will interfere in the adhesion of 406 Tru-Grip. When using liquid cleaning solutions, please refer to the specific product label and SDS for safe handling information and proper use instructions. Recommended application temperature is 40°F to 120°F.

APPLICATION: Mix lightly prior to application of the coating. 406 Tru-Grip 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 manufacturers should be consulted for more complete information. Spray application should be done with a 50% over-spray pattern.

COVERAGE RATE: Apply 406 Tru-Grip over the surface at the rate of 1.5 gallons per 100 sq. ft. (24 wet mils). Allow to dry 12-24 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 minimum. 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."

* TPO, PVC and Hypalon membranes should be at least 4 years old before using this product.

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: 10,000 cps
ASTM D2196
Method A

Solids by Weight: 60%, Nominal

Solids by Volume: 56%, Nominal

Color: Light Green

Elongation: 435%, Nominal
ASTM D 2370

Tensile Strength: 223 PSI, Nominal
ASTM D2370

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

Permeance: 10 perms
ASTM D1653
Procedure B
Condition A

Water Swelling: 3% mass
ASTM D471

Tear Resistance: 72 lbf/in
ASTM D624

Application Temp: 40°F to 120°F

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

VOC Content: 39 g/L MAX

ASTM D6083 Type I (As a base coat only)

