

ROOFING

501 Elasto-Brite



Read Safety Data Sheet before using this product.

DESCRIPTION: 501 Elasto-Brite is a co-polymer elastomeric, 100% acrylic emulsion coating. 501 Elasto-Brite provides excellent protection, appearance, mildew resistance, color stability, weatherability and flexibility.

USES: 501 Elasto-Brite is designed to be applied directly over built-up roof surfaces that have aged a minimum of 90 days, SBS and APP granular modified membranes and smooth surface APP membranes that have weathered a minimum of 30 days, aged TPO and PVC (min. four years old) as well as metal roofs. Also for use on above grade vertical surfaces such as concrete, concrete block, brick, stucco, metal and wood. May also be used for application over applicable base coats 405 Bond-N-Shield, 406 Tru-Grip, 404 Corrosion Proof Base and 407 EPDM & SPF. Meets ASTM D-6083 Type I.

SURFACE PREPARATIONS: Surfaces to be coated should be dry, clean, free of dirt, dust, grease, oil and loose paint. Recommended application temperature is 40°F to 120°F. Power wash surfaces with TSP substitute 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 cracks or holes with appropriate sealants or caulking materials. All wet insulation should be removed and replaced with like materials. New BUR roof surfaces must age a minimum of 90 days before coating. Newly installed cold-process, hot-applied and torched-applied modified bitumen membranes should age 30 days before coating. Allow fresh masonry to cure a minimum of 30 days before application. 501 Elasto-Brite or subsequent base coats should be dry prior to application of 501 Elasto-Brite.

APPLICATION: Recommended use is for application over one of KARNAK's 400 series substrate specific base coats. Mix lightly prior to application of the coating. 501 Elasto-Brite may be applied by brush, spray equipment or roller. Allow first coat to dry 8 to 12 hours before application of the second coat. Apply when temperatures are 40°F and rising but not over 120°F. Do not apply when rain is expected during or within 24 hours after application. 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 perpendicular to the first coat / base coat for proper protection.

SPRAY APPLICATION: Utilize a heavy-duty professional 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 in a single coat over applicable 400 series base coat at the rate of 1.5 gallons per 100 sq. ft. (24 wet mils) or apply direct to substrate in a two coat application at the rate of 1.5 gallons per 100 sq. ft. per coat (Total of 3 gallons per 100 sq. ft.). This will achieve a dry mil thickness of 20 to 24 mils. Coverage will vary depending on the surface to be coated.

COLORS: White, Portland Gray are Standard Colors. Specialty Colors including Patina Green, Forest Green, Terra Cota Red, Red, Cement Gray and Khaki Tan are available in minimum order quantities of 350 gallons. See "Finish Coat Color Options" chart for color swatches.

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: 11.8 lbs.

Solids by Weight: 63%, Nominal

Solids by Volume: 53%, Nominal

Hardness, Shore A: 70

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: 42 g/L MAX

Permeance: 23 perm @ 20 dry mils
ASTM D 1653

ASTM D 6083 Type I

Solar Reflectance: 0.86 Initial
(White Only) 0.77 3-Yr. Aged

Thermal Emittance: 0.91 Initial
(White Only) 0.90 3-Yr. Aged

SRI: 109 Initial
(White Only) 96 3-Yr. Aged



NSF Protocol #151
Health Effects from Rainwater
Collection System Components

