

ROOFING

529 Renu-White



Read Safety Data Sheet before using this product.

DESCRIPTION: 529 Renu-White is a polymer acrylic based elastomeric roof coating that affords the building owner the energy saving benefits of a highly reflective white coating while providing good resistance to UV degradation and the weather. This economical coating forms a highly elastic membrane to protect a variety of roof substrates.

USES: 529 Renu-White is designed for application over built-up roof (BUR) surfaces that have aged a minimum of 90 days, SBS and APP granular and smooth modified membranes that have weathered a minimum of 30 days, aged aluminum coated roofs as well as metal roofs. Also may be applied to above grade vertical surfaces such as concrete, concrete block, brick, stucco and wood. 529 Renu-White may be used for application over applicable base coats 405 Bond-N-Shield, 406 Tru-Grip, 404 Corrosion Proof Base and 407 EPDM & SPF as a base coat for EPDM.

SURFACE PREPARATIONS: All surfaces to be coated should be in sound condition and thoroughly cleaned and free of oil, grease, dust, dirt, debris and loose coating. Recommended application temperature is 40°F to 120°F. Pressure wash with 799 Wash-N-Prep Roof Cleaner and water. Rinse surfaces well to remove all soapy residues and allow to dry completely. Metal surfaces must be wire brushed down to clean and stable surface. Repair all roof surfaces with appropriate materials prior to coatings. Read the MSDS before using.

APPLICATION: Recommended use is for application over one of KARNAK's 400 series substrate specific base coats or directly to the substrate in a two coat application. Mix lightly prior to application of the coating. 529 Renu-White 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 each coat in one direction with the second coat applied perpendicular to the first/base 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 529 Renu-White in two coats at the rate of 1.5 gallons per 100 sq. ft. (24 wet mils) per coat for a total coverage of 3 gallons per 100 sq. ft. or apply at the rate of 1.5 gallons per 100 sq. ft. over applicable KARNAK 400 series base coat. Do not thin coating. Coverage varies with the irregularity and porosity of the roof surface.

COLORS: White and Desert Tan are standard colors. Other colors are available in minimum quantities of 300 gallons. See "Elastomeric Coating Color Chart" for other available colors.

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: 11.5 lbs.

Solids by Weight: 63%, Nominal

Solids by Volume: 50%, Nominal

Color: White, Khaki Tan, Desert Tan

Elongation: 450%, Nominal
ASTM D 412

Tensile Strength: 140 PSI, Nominal
ASTM D 412

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

ASTM D 6083 Type II

Solar Reflectance: 0.85 Initial
0.73 3-Yr. Aged

Thermal Emittance: 0.90 Initial
0.88 3-Yr. Aged

SRI: 107 Initial
90 3-Yr. Aged

