

Tapecoat Roof Seal

Economical Repair For Translucent Roofs and Metal Trailers

TC Roof Seal provides an easy, economical and permanent repair method for translucent materials and metal surfaces. Roof Seal can be used to seal leaking joints, seams, and cracks, preventing the migration of moisture. Translucent semi-trailer roofs are subjected to near-constant vibrations, often causing stress cracks in areas where pop-rivets are present. This type of roofing material is vulnerable to mechanical damage, caused by forklifts, tree limbs, etc.

Semi-trailer leak repairs are often accomplished with either 1.) patching: with a sealant and riveting (labor intensive) or 2.) fiberglass repair kit: requiring mixing (sometimes), measuring, and possible long down time (messy). TC Roof Seal's ease of application represents a significant improvement over labor intensive, costly, and often temporary repair methods. TC Roof Seal is a permanent, cost effective, UV resistant repair product.



TC Roof Seal Membrane

TC Roof Seal Membrane is for sealing joints and seams from migrating moisture. It is ideal for metal buildings, mobile homes, manufactured housing, travel trailers, utility trailers, and semi-trailers (prior to application of an approved external liquid sealant). TC Roof Seal is designed to expand and contract without any evidence of cracking (within normal ambient thermal temperatures).

TC Roof Seal Mastic

TC Roof Seal Mastic is a liquid sealant designed to protect TC Roof Seal membrane from harmful UV rays. This specially formulated product is made to contract and expand without cracking so as to maintain a water tight vapor barrier. TC Roof Seal Mastic can also be utilized as a stand alone top coat to protect concrete surfaces. Available in gray and white.

TC Aluminum Mastic

TC Aluminum Mastic as an oil based liquid sealant designed to protect TC Roof Seal Membrane from harmful UV rays. Ideal for aluminum trailers where esthetics are important. TC Aluminum Mastic is a non-breathing vapor and weather barrier which can also be utilized as a stand alone top coat for protecting concrete surfaces in harsh environments.

TAPICOAT

TC Roof Seal

Specifications/Application

Roof Seal Membrane

Composition

TC Roof Seal Membrane adhesive is manufactured from specially formulated elastomeric resins bonded to a woven polymer for maximum conformability. These materials are prefabricated to provide uniform thickness.

Technical Data

Total thickness: 30 mils (1 mm)
Adhesion: 9 lbs/in width
Low Temperature Flexibility: $\frac{1}{2}$ " radius @ -30°F: No cracking
Pliability: No cracks in membrane
Permeance: .001 perms maximum
Elongation: >500%

Surface Preparation

Surface must be clean and dry. Moisture, dust, dirt, rust or other foreign matter should be removed by scraping or wire brushing. Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by high pressure fresh water cleaning.

Application

Center TC Roof Seal Membrane over the seam removing the plastic release liner gradually to prevent contamination of the adhesive prior to application. This material may be applied to clean dry surfaces from -20°F to ambient. A top coat of TC-Roof Seal-Liquid Sealant White, Gray or Aluminum is necessary for UV protection. R/S Mastic White or Gray should not be applied below 50°F if temperatures will fall below 32°F within a 24 hour period after application.

TC Roof Seal Liquid Sealant

Composition

Sealant is a high solids acrylic elastomer coating system with superior weatherability, ultraviolet resistance, fire retardancy, elongation, flexibility and adhesion.

Technical Data

Colors: White or Gray
Application Temperature: 40°F to 120°F
Film Thickness: 20 mils wet, 12 mils dry
Drying Time at 70°F: To touch, 2 hours
Chemical Resistance: Resistant to solutions of acids, alkaline and salts

Application

Thoroughly mix the contents for a minimum of 5 minutes prior to application.
Method of application: Brush/Spray/Roller.
Clean-up with water.
Coverage: 70 square feet per gallon
Apply directly over Tapecoat Roof Seal Membrane.

Weather Precautions

TC Roof Seal Liquid Sealant requires complete evaporation of water to cure. Cool temperatures and high humidity retard cure. Do not apply if weather conditions will not permit complete cure before rain, dew or freezing temperatures occur. TC Roof Seal Liquid Sealant will freeze and become unusable at temperatures below 32°F (0°C).

Availability

Available from stock in 1, 5 and 55 gallon containers. Net weight per gallon approximately 9 lbs.

TC Roof Seal Liquid Sealant Brush/Spray applied coating

Technical Data

Operating Temperature: -60°F to 325°F
Application Temperature: 40°F to 120°F
Film Thickness: 20 mils wet, 12 mils dry
Drying Time at 70°F: To touch, 2 hours
Flash Point: 100°F
Chemical Resistance: Resistant to solutions of acids, alkaline and salts
Meets ASTM D 4479 Type II

Surface Preparation

Surface must be clean and dry. Moisture, dust, dirt, rust or other foreign matter should be removed. Oil and grease should be removed with a suitable solvent. On previously coated surfaces, remove all loose or incompatible coatings.

Application

Slight stirring of the product may be required prior to use.
Method of application: Brush/Spray
Coverage: 70 square feet per gallon
Precautions: Keep container away from heat and open flame. Keep container tightly closed when not in use. Use only where there is adequate ventilation and avoid prolonged breathing of vapor. Avoid prolonged or repeated contact with skin. Do not use in contact with potable water. Apply directly over Tapecoat Roof Seal Membrane.

Availability

Available from stock in 1, 5 and 55 gallon containers. Net weight per gallon approximately 9 lbs.

