



**#139
TPO Basecoat**

BASECOAT FOR WEATHERED TPO ROOFS

PRODUCT DESCRIPTION

E-las-tek #139 TPO Basecoat is an all-acrylic coating designed to provide adhesion to weathered Thermoplastic PolyOlefin (TPO) roofing membranes. When applied to a suitable cleaned, weathered TPO roof and topcoated with an durable acrylic elastomeric topcoat, TPO Basecoat can extend the life of the existing roof. TPO Basecoat is best when applied to a TPO roof weathered at least four years. It will provide very good adhesion and resistance to blistering.

- Ideal for use in scupper and drain areas, low areas on low-slope roofs, around coolers, and HVAC units
- May be used as a basecoat/saturant for liquid-applied fabric roofs
- Provides any topcoat improved adhesion
- Extremely water resistant
- Reseals roof surfaces and repairs hairline cracks
- Expands and contracts with the substrate
- Handles most difficult temporary standing water situations
- Blister-resistant
- Long-lasting
- Easy to apply with spray or roller
- Environmentally safe
- Indicator grey

This coating may be used on flat, composition roofs; aged or new asphalt composition, and modified bitumen. May be used as a basecoat in ponding areas when used with #120 Solar Tek Extreme. For a maximum durability coating system, two coats of TPO Basecoat are recommended in problem areas before top coating to reduce the possibility of pinholes.

SURFACE PREPARATION

Weathered TPO surfaces accumulate dirt over time and must be cleaned prior to coating with TPO Basecoat. It is particularly important to effectively clean ponded water areas where greater accumulations of dirt can occur. **Water alone is insufficient to clean weathered TOP membrane properly.** Suitable liquid cleaners such as E-las-tek #601 Surface Prep and Adhesion Promoter and Trisodium Phosphate (TSP) solutions in water can be spray-applied over the entire surface followed by a thorough powerwashing with water at a minimum pressure of 3500 psi with a wide fan tip. All residual cleaning agents must be removed; otherwise they will interfere in the adhesion of TPO Basecoat. When using liquid cleaning solutions, please refer to the specific product label and MSDS for safe handling information and proper use instructions.

Roof system must be free of moisture before coating.

MINOR REPAIRS

Roof repairs must be completed before top coating. All leaks, gaps, cracks, tears, bird holes, and seams must be filled with E-las-tek #103 Crack & Joint Sealant and weak areas strengthened with embedded polyester fabric. Major repairs must be referred to a roofing contractor.

Asphalt Roofing

Thorough washing reduces asphalt bleed. Allow first coat to dry thoroughly before recoating. Areas that hold water more than 48 hours must be eliminated before coating.

Metals

Rusted or corroded areas must be coated with protective primer after cleaning. Metal fasteners should be tightened and sealed, if necessary, with Crack & Joint Sealant.

Masonry/Concrete

Must be fully cured, clean and dry. Crack & Joint Sealant should be used to fill cracks to 1/8-inch and reinforced with polyester fabric. Use professional urethane patching material for larger cracks.

WARNING: Elastomeric coatings are not effective when roof deterioration is severe. If in doubt, consult a qualified roofing contractor. Not recommended for use on applications below 0°F. Contact E-las-tek before applying to single-ply roofs.

APPLICATION

See **WEATHER CONDITIONS** below for ideal conditions. Wear protective clothing and eye protection. Apply by roller, spray, or brush with minimum of working. Pre-coat repairs, uncoated areas, and areas needing more protection, and allow to dry.

DO NOT THIN COATINGS WITH WATER. Make sure roof has adequate ventilation.

A 3/4-inch paint roller is best for dipping coating from the pail. A 1/2-inch nap cover gives very smooth application when coating is poured onto roof surface.

Coatings are sensitive to standing water for up to 48 hours after application.

Can be spray-applied by airless pump capable of 2-3000 PSI, 1-3 GPM using a 6-31 or 8-31 reversible tip.

COATING THICKNESS DETERMINES SERVICE LIFE.

Clean tools promptly with water.



COVERAGE

Coverage varies with the porosity of the substrate. Apply at 100 sq. ft. per gallon per coat. When using as a fabric saturant, apply enough coating to fully wet fabric.

WEATHER CONDITIONS

Temperature should be over 40°F and under 90°F during application and curing period. Do not apply when temperatures are expected to fall below the dew point within 6 hours of application. Do not apply on roofs collecting ponded water.

Full cure is 7 days. Humidity affects drying time. Do not apply when there is any chance of rain, fog, frost, or dew during application or drying. See E-las•tek BULLETIN: *Cool Weather Application* at www.elastek.com.

COLORS

Indicator grey.

SAFETY

Use in areas with good ventilation. Keep containers tightly closed when not in use. Keep away from children. Store in cool, dry place. Prevent from freezing. HARMFUL OR FATAL IF SWALLOWED.

SPECIFICATIONS

- Adhesion to weathered Thermoplastic PolyOlefin (TPO) roofing membrane
- Flexibility at temperatures as low as -15°F (-26°C)
- 50 g/L VOC (Volatile Organic Content) formulations

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E-las•tek offers coatings to fill or coat ponding areas and to handle difficult substrates. For most current information, check our website: www.elastek.com; contact us at coatings@elastek.com; or call 877-352-7835.