



#120
Solar Tek Extreme™

SUPERIOR PERFORMANCE ELASTOMERIC ROOF COATING

PRODUCT DESCRIPTION

E-las•tek #120 Solar Tek Extreme™ premium topcoat is based on 100% acrylic polymers. Because of its extreme water resistance, *Solar Tek Extreme* is superior for low-slope roofs and hot-weather conditions and is **E-las•tek's** best, longest lasting elastomeric roof coating.

- Outstanding resistance to ponding water
- Superior solar reflectivity
- Retains whiteness years longer
- Lowers roof temperatures
- Blister resistant
- Asphalt stain resistant
- High solids for dark surface coverage
- Adheres to asphalt materials, metals, concrete, some single-ply
- Highly resistant to dirt pickup



Solar Tek Extreme is Energy-Star certified. When installed properly, this product will help reduce energy costs.

Actual savings will vary based on geographic location and individual building characteristics. Contact the manufacturer, contractor, or call 1-888-STAR-YES

(1-888-782-7937) for more information.

The solar reflectance of white elastomeric coatings decrease over time due to surface dirt, air pollution, biological attack, and solar degradation. Rinsing the roof with water and broom cleaning once or twice per year will partially restore reflectivity. Power washing or cleaning with TSP or TSP Substitute will be even more effective. Periodic recoating will be necessary to fully restore solar reflectance.

Solar Tek Extreme forms a highly durable membrane that reflects most of the sun's heat away from the roof, saving energy. It provides outstanding resistance to UV degradation and preserves asphalt-roofing materials.

- Cures to a bright, durable, low-gloss surface
- Reseals roof surface and repairs hairline cracks (recommend two coats)
- Expands and contracts with the substrate
- Resistant to bacteria, fungus (including mold), and algae
- Environmentally safe

E-las•tek roof coatings provide resistance to alkali and efflorescence making them ideal for coating masonry surfaces. They may be used on:

- Flat, composition roofs
- Coated foam roofs

- Aged galvanized steel
- Aluminum coated roofs and other aluminum surfaces
- Asphalt shingles (well-vented roofs)
- Modified bitumen
- Some single-ply (inquire)
- Gravel-covered BUR (inquire)

SURFACE PREPARATION

All surfaces must be thoroughly cleaned to remove oils, gravel, granules, loose coating, chalk, dirt, rust, corrosion, efflorescence, bond-breakers, and mildew to assure coating adhesion and minimize asphalt bleed. Clean with a broom and TSP or TSP substitute/water solution (or pressure wash); rinse well; allow to dry thoroughly. Rust/corrosion may require wire brush, scraping, or sandblasting.

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 bleeding. 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*.

Foam

May be used on new or existing coated foam roofs in very good condition and with no water intrusion. Deteriorated foam, open foam, evidence of water intrusion, or poor drainage should be referred to a foam contractor.

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. Contact **E-las•tek** before applying this coating to gravel roofs or shingle roofs, manufactured home roofs, roofs with cathedral ceilings below the roof. 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 unless preparing for spray application. Surface can be recoated in four hours in warm weather.

A 1-1/4-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. Apply in thick coats at 20 mils wet or follow *COVERAGE* directions below.

Two or more topcoats (20-30 mils dry) are best for maximum durability. Always apply two or more coats in areas prone to hold standing water. Two normal coats are better than one excessively thick coat. Apply coats at 90-degree-angle to each other to minimize pinholes. 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. May be diluted to the maximum rate of one quart of clean water per 5 gallons to improve spray-ability. Sprayed shingles must be back-rolled.

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. Recommend two or more topcoats, totaling 20+ mils dry for long-term durability. For single-coat applications, apply at 100 sq. ft. per gal. (approximately 10-12 mils dry thickness).

WEATHER CONDITIONS

Temperature should be over 55°F and under 105°F during application and curing period. In very hot weather, apply coating in the morning to prevent rapid drying. Normal drying time is 3 to 6 hours, longer in cool weather. 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.

Tan and tinted coatings tend to dry too quickly when applied in very warm weather or to surfaces that are hot to touch. Apply in cool weather. Drying too quickly may cause coating to blister.

COLORS

Bright white; desert tan; Energy Tan; custom-tinting is discouraged, may void warranty.

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.

SPECIFICATIONS

- **Calculated 67% solids by weight, 54% solids by volume**
- **Titanium 13% by volume**
- **VOC < 50g/l; pH is 9**
- Elongation exceeds 260% @ 75° F
- Viscosity is approx. 124 KU
- Water resistance in perms 2 (ASTM D 1653)
- Swelling (7 day) 13%
- Tensile strength 340 lb./sq. in.
- Fungi and algae resistant
- Packaged weight 11.6 lb. per gallon
- Reflectivity 92% (white draw down)
- CRRC reflectivity 86.5%
- CRRC emittance 0.87%

NOTE: Formulations and specifications for tan and tinted coatings vary from those shown here.

EXTENDED SERVICE-LIFE WARRANTY AVAILABLE.

Data provided here is based on our best knowledge at time of printing and is subject to change. 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; or contact us at coatings@elastek.com or 877-352-7835.