



#129

POLYTEK PRO

PREMIUM ELASTOMERIC TOPCOAT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

E-las-tek® #129 PolyTek Pro is a reflective elastomeric roof coating made with acrylic polymers. Applied correctly, it forms a flexible, sustainable skin that can dramatically lengthen the life of a roof by protecting it from solar damage. With its high solar reflectivity, roofs stay cooler, reducing stress on the roof system and often leading to a significant reduction in cooling costs. Because of its extreme water resistance and reflectivity, #129 PolyTek Pro is a superior choice for low slope roofs and hot-weather conditions.

ADVANTAGE:

- Acrylic polymers of exceptional durability
- Forms durable membrane that reflects most of the sun's heat
- Provides outstanding resistance to UV degradation
- Preserves asphalt-based roofing materials
- Expands and contracts with thermal changes to keep the roof surface sealed over time
- Adheres well on a wide variety of substrates
- Good resistance to abrasion
- Resistant to asphalt staining
- Ideal for all low-pitch roofs
- Resistant to moderate ponding water — NRCA states ponding past 48 hours should be eliminated.
- Long- lasting
- Great for coating new spray polyurethane foam
- Easy-to-apply with brush, spray, or roller
- Environmentally safe

#129 PolyTek Pro is a quality coating that allows good coverage and is easy to roll or spray. It is ideal for top coating previously coated foam roofs, pitched roofs and most low-slope roofs. Use on aged galvanized steel, aged asphalt composition, and aluminum-coated roofs.

LIQUID APPLIED ROOFING:

#129 PolyTek Pro may be used as the topcoat over liquid applied roofing membranes to refurbish older roofs or establish new roof membranes.

See our website for information.

COLOR:

Bright White

TYPICAL PROPERTIES:

Property	Typical Value
Percent Solid:	68% solids by weight; 53% solids by volume
Viscosity:	Approx. 19,000-25,000 cps
Elongation:	Initial average elongation 255% at 75°F
Tensile Strength:	Initial average tensile 256 psi at 75°F lbs/sq. in.
Colors:	Bright white & Energy Tan
VOC :	41.9 g/L
pH:	9 – 10.5
Packaged Weight	12 lbs per gallon
Cure time	8-24 hours to recoat
Reflectance (Bright White)	Initial 83%, 3 Year aged 73%
Emittance (Bright White)	Initial 0.92, 3 Year aged 0.87
SRI (Bright White)	Initial 105, 3 Year aged 89
**The shelf life for an unopened container stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 24 months from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall.	

APPROVALS:

- Class A Fire Rated per UL790/ASTM E-108-07a
- CRRC
- Title 24 Compliant

SURFACE PREPARATION:

All surfaces must be thoroughly cleaned to remove oils, gravel, granules, loose coating, chalk, dirt, rust, corrosion, mildew, efflorescence, and bond-breakers 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 and scraping. Roof system must be free of moisture before coating. Prime asphalt surfaces with Elastek #120 High-Tek Basecoat prior to system application.

Minor Repairs:

Roof repairs must be completed before top coating. All leaks, gaps, cracks, tears 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-through. Depressions that hold water more than 48 hours must be eliminated before coating.



- **Metal:** Rusted or corroded areas must be coated with protective primer after cleaning. Metal fasteners should be tightened and sealed, if necessary, with E-las-tek® #103 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 contractor.

ACCEPTABLE ROOF TYPES FOR COATING:

- Built-up asphalt (BUR), granular roll roofing, foam (SPF), and metal. Consult E-las-tek® before coating single-ply, or "rubber," roof membranes.

SURFACES NOT SUITABLE FOR COATING:

- Worn-out or water-saturated roofs of any type, tile, shingles, and surfaces treated with adhesion-resistant materials such as silicone or Kynar®.

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.
- A 1-1/4-inch paint roller is best for dipping coating from the pail. A ½-inch nap cover gives very smooth application when coating is poured onto roof surface, then spread.
- Apply coats at 90- degree-angle to ensure even coverage.
- Coatings are sensitive to standing moisture 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.
- **DO NOT DILUTE**
- **COATING THICKNESS DETERMINES SERVICE LIFE.**
- Clean tools promptly with water.

COVERAGE:

- Coverage varies with the porosity of the substrate. Apply at 80-100 sq. ft. per gallon per coat.
- Recommend two or more topcoats, totaling 20+ mils dry for long-term durability.

APPLICATION LIMITATIONS:

- Prior to the application of any top coat over new or freshly applied asphalt based product consult with the asphalt product manufacturer or NRCA guidelines for necessary asphalt cure times prior to coating.
- Elastomeric coatings are not effective when roof deterioration is severe. If in doubt, consult a qualified roofing contractor.
- Contact HOLCIM SOLUTIONS AND PRODUCTS US, LLC before applying this coating to gravel roofs, single-ply roofs, manufactured home roofs, roofs with cathedral ceilings below the roof.

WEATHER CONDITIONS:

Application of E-las-tek® #129 PolyTek Pro top coat can be applied when the ambient temperature is a minimum 50°F and rising in weather conditions where the temperature during the cure cycle (24-48 hours) will not fall below 32°F. The acrylic top coat should not be applied when moisture is present on the roof surface. The roof surface temperature range for application should be between 40°F – 115°F. The service temperature range for the respective top coat can vary between -35°F – 180°F.

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.

TECHNICAL SERVICE

All of the latest updates to product data and specifications are available at holcimelastek.com. Since product data and specifications change, it is the user's responsibility to make certain the most current versions of product data and specifications are being used.

PRIOR TO USE OF THIS MATERIAL, READ ALL APPROPRIATE SAFETY DATA SHEETS.

PRODUCT WARRANTY:

INSTALL AS DIRECTED ON ELASTEK® PRODUCT DATA SHEET. USER DETERMINES SUITABILITY FOR INTENDED USE AND ASSUMES ALL RISK AND LIABILITY. THIS PRODUCT IS SOLD "AS IS." EXCEPT AS REQUIRED BY LAW, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF TERMS ARE NOT ACCEPTABLE, RETURN UNOPENED PRODUCT TO PLACE OF PURCHASE. DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THESE PRODUCTS.

Complete technical information is available from
Holcim Solutions and Products US, CDT