



#121 HIGH-TEK BASECOAT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

E-las-tek® #121 High-Tek Basecoat is an all-acrylic, highly elastomeric coating with exceptional adhesion to most surfaces.

ADVANTAGE:

- Excellent performance when used over modified bitumen
- Good adhesion to urethane foam
- May be used as a basecoat/saturant for superior liquid applied fabric roofs
- Improved topcoat adhesion
- Reseals roof surface and repairs hairline cracks
- Expands and contracts with the substrate
- Blister-resistant
- Long lasting
- Easy-to-apply with spray or roller
- Environmentally safe

This coating may be used on flat, composition roofs; coated and uncoated foam roofs; aged or new asphalt composition, and modified bitumen. For a maximum durability coating system, two coats of *High-Tek Basecoat* are recommended in problem areas before top coating to reduce the possibility of pinholes.

TYPICAL PROPERTIES:

Property	Typical Value
Percent Solid:	60% solids by weight; 48% solids by volume
Viscosity:	13,500-17,000 cps
Elongation:	>100% at 75°F
Package Weight	11 lbs per gallon
VOC :	< 0.5 g/L
Shelf Stability	12 months
pH:	9 - 10
PVC	37%

COLOR:

Indicator Gray

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 or scraping. Roof system must be free of moisture before coating.

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.
 - **Metals:** 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 previously 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.
- **DO NOT THIN COATING WITH WATER;** sprayable as is. Surface can be recoated in four hours in warm weather. 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, then spread.
- Coatings are sensitive to moisture for up to 48 hours after application.
- Can be spray-applied by airless pump capable of 2000-3000 PSI, 1-3 GPM using a 6-31 or 8-31 reversible tip.
- Must always be top-coated for protection.
- **COATING THICKNESS DETERMINES SERVICE LIFE.**
- Clean tools promptly with water.

COVERAGE:

- Coverage varies with the porosity of the substrate. Apply at 100-120 sq.ft. per gallon per coat. When using as a fabric saturant, apply enough coating to fully wet fabric.

APPLICATION LIMITATIONS:

- Prior to the application of any base or 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 ITW POLYMERS SEALANTS NORTH AMERICA 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® #121 High-Tek Basecoat 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.

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