



POLYTEK FABRIC

Cold Process Roofing Fabric

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

E•las•tek PolyTek Fabric stitch bonded polyester fabric rolls are designed to provide support and strength to elastomeric roof coating applications. **PolyTek Fabric** has high elongation and will conform to most shapes on roof decks. Although very strong, it retains excellent stretch conformability at parapet walls, skylights, penetrations, all vertical transitions, etc. and/or at lap seams on metal panels. In short, **PolyTek Fabric** is used to support **E•las•tek**® coatings wherever the roof changes direction and incurs greater stress.

PolyTek Fabric exhibits high resistance to splitting and cracking from thermal shock, low temperatures, freeze/thaw cycles, folding, creasing and rough handling. Unlike fiberglass, it is non-irritating to the skin.

TYPICAL PROPERTIES:

Property	Average Typical Values
Target Weight	3.0 oz./yd ²
Tensile Strength (1" Jaws): ASTM D5034 (lbs. force)	MD: 67 CD: 59
Tensile Strength (2" Jaws): ASTM D5034 (lbs. force)	MD: 124 CD: 77
Max Elongation %: ASTM D5034	MD: 25 CD: 79
Ball Burst: ASTM D3787 (lbs. force)	109
Trapezoid Tear: ASTM D5587 (lbs. force)	MD: 22 CD: 21
Thickness: ASTM D1777	0.018
Base Fabric	100% Polyester
Finished Fabric Content	100% Polyester

*Average machine and cross machine direction

PACKAGING:

- Roll Size: 10.8 squares gross, 10.0 squares net applied (3" single ply overlap)
- Roll Dimensions: 40" wide x 324' long with lap lines for one and two ply application. (Roll Weight: ~25 lbs. per roll.)
- Area: 1080 net sq. ft. (1000 net sq.ft. with 3" overlap).
- Roll Dimensions: 6" wide x 300'. (Roll Weight: ~3.6 lbs. per roll.)

WATER AND ROT RESISTANCE:

PolyTek Fabric maintains its physical properties when wet and is dimensionally stable during humidity changes. It does not rot. After burial in soil for 5 years, **PolyTek Fabric** retained all its original properties.

WEATHERING:

- **PolyTek Fabric** is unaffected by sunlight when covered with roof coatings or aggregates.

COATINGS:

- **PolyTek Fabric** has been successfully used with a variety of **E•las•tek**® cold process roof coatings, including acrylic, urethane, silicone, hypalon, and synthetic rubber coatings. For best results, follow coating manufacturer's specifications.

APPLICATIONS:

- **PolyTek Fabric** is typically embedded into a layer of elastomeric coating of 20-25 wet mils applied to the desired area. Fabric must be placed into the coating without stretching the fabric over surface imperfections. Fabric is then rolled or brushed at 45° angles to eliminate any wrinkles or fishmouths. Another 8-16 wet mils of elastomeric coating is rolled or brushed over the fabric and basecoat. Coating should be feathered out along fabric edges so fabric is totally covered and a smooth transition of the coating to the surface is achieved.

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

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Complete technical information is available from ITW Polymers
Sealants North America, Inc.

ITW POLYMERS SEALANTS NORTH AMERICA, INC.

12055 Cutten Rd., Houston TX 77066

Tel: 972-438-9111 Fax: 972-554-3939 www.itwsealants.com

10/21/2020