



# TIE-TEX POLYESTER

## Cold Process Roofing Fabric

### TECHNICAL DATA SHEET

#### PRODUCT DESCRIPTION:

TieTex T272 stitch bonded polyester Fabric rolls are designed to provide support and strength to elastomeric roof coating applications. TieTex T272 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, TieTex T272 is used to support ERSystems® coatings wherever the roof changes direction and incurs greater stress.

TieTex T272 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 <sup>2</sup>
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:

TieTex T272 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, T272 retained all its original properties.

#### WEATHERING:

- TieTex T272 is unaffected by sunlight when covered with roof coatings or aggregates.

#### COATINGS:

- TieTex T272 has been successfully used with a variety of ERSystems® cold process roof coatings, including acrylic, urethane, silicone, hypalon, and synthetic rubber coatings. For best results, follow coating manufacturer's specifications.

#### APPLICATIONS:

- TieTex T272 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

#### PRODUCT WARRANTY:

INSTALL AS DIRECTED ON ERSYSTEMS® 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 BUILDING SOLUTION ENVELOPE