



## Polysoft II Knit Polyester Roofing Membrane

### Product Data Specification

#### TYPICAL PHYSICAL PROPERTIES

Weight oz./yard	2.13 oz.
Fabric Thickness	.024"
Construction	34 x 30 per sq. inch
Yarn Denier	70
Mullen Burst	80.6 psi
Elongation	Machine Direction 54% Cross Direction 147%
Grab Breaking Machine Direction	54lbs.
Cross Direction	32lbs.

#### DESCRIPTION & USES

Polysoft II Knit Polyester Fabric rolls are designed to provide support and strength to elastomeric roof coating applications. It 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, Polysoft II is used to support ERSystems Coatings wherever the roof changes direction and incurs greater stress.

Polysoft II 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.

#### PACKAGING

Roll Sizes: 6", 12", & 38" widths x 300 length.

Weight: 38" x 300' roll – 15 lbs. per roll.

Area: 38" x 300' roll – 900 net sq. ft. (with 3" overlap).

#### WATER AND ROT RESISTANCE

Polysoft II 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, Polysoft retained all its original properties.

#### WEATHERING

Polysoft II is unaffected by sunlight when covered with roof coatings or aggregates.

#### COATINGS

Polysoft II 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.

#### APPLICATION

Polysoft II 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.

#### WARRANTY

IMPORTANT: While the information and data contained herein are presented in good faith and believed to be reliable, they do not constitute part of our terms and conditions of sale. Nothing herein shall be deemed to constitute a warranty, expressed or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.

ERSystems' sole warranty is that the product will meet the sales specification at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

PRIOR TO USE OF THIS MATERIAL, READ ALL

APPROPRIATE MATERIAL SAFETY DATA SHEETS.

<b><u>CHEMICAL RESISTANCE</u></b>		
<b><u>Chemical</u></b>	<b><u>Exposure at Temp.</u></b>	<b><u>% MD Grab Breaking Strength Retained</u></b>
1% Sodium Hydroxide	6 hours @ rt	99%
60% Sulfuric Acid	1000 hours @ rt	82%
Distilled Water	1000 hours @ rt	100%
70% Nitric Acid	6 hours @ rt	100%
Acetone	1000 hours @ rt	97%
Carbon Tetrachloride	1000 hours @ rt	98%
Dimethyl Formamide	1000 hours @ rt	99%
Ethyl Alcohol	1000 hours @ rt	100%
Ethylene Glycol	1000 hours @ rt	100%
Perchloroethylene	1000 hours @ rt	93%