

FABRIC

5540 Resat-Mat



Read Safety Data Sheet before using this product.

DESCRIPTION: 5540 Resat-Mat is a stitch bonded textile material composed of polyester fiber to form a strong reinforcing fabric with cold roofing mastics and liquid elastomerics. Composed of 100% polyester, 5540 Resat-Mat has excellent conformability, making it ideal for replacing felts and fiberglass as reinforcing mats on rough surfaces such as embedded gravel and corrugated metal roof decks. The distinctive characteristics of 5540 Resat-Mat include high tensile strength compiled with high elongation, outstanding tear strength and toughness, high bulk and porosity, non-raveling edges and excellent dimensional stability.

USES: 5540 Resat-Mat is used to reinforce liquid applied mastics and coatings over smooth or irregular surfaces.

FEATURES, BENEFITS & ADVANTAGES:

- High tensile strength and toughness.
- High breaking elongation.
- Excellent tear strength.
- Non-raveling.
- No fiber breakage or dusting in handling.
- Lightweight.
- Outstanding resistance to cold cracking, chemicals and solvents.
- Properties are not affected by water.
- Non-irritating to the skin.
- High resistance to splitting or cracking from thermal shock, low temperatures, freeze/thaw cycles, folding, creasing and rough handling.
- Resistance to chemicals and solvents found in asphalt, tar and cold applied systems, as well as lubricants for rooftop motors and air conditioners.
- Outstanding resistance to rot and water damage.

PACKAGING:

4" x 300' rolls (100 ft ² / 11.1 yd ²)	9 rolls/carton
6" x 300' (150 ft ² / 16.7 yd ²)	6 rolls/carton
12" x 300' (300 ft ² / 33.4 yd ²)	1 roll/carton
40" x 324' (10 square)(1,080 ft ² / 120 yd ²)	1 roll/carton

TECHNICAL DATA:

Chemical	Exposure at Temp.	% MD Grab Breaking Strength Retained
1% Sodium Hydroxide	6 hrs. @ RT	99
60% Sulfuric Acid	100 hrs. @ RT	82
Distilled Water	1000 hrs. @ RT	100
70% Nitric Acid	6 hrs. @ RT	97
Acetone	1000 hrs./ @ RT	98
Carbon Tetrachloride	1000 hrs. @ RT	99
Dimethyl Formamide	1000 hrs. @ RT	100
Ethyl Alcohol	1000 hrs. @ RT	100
Ethylene Glycol	1000 hrs. @ RT	100
Polychlorethylene	1000 hrs. @ RT	93

If further information is needed, contact KARNAK Technical services at 800-526-4236.

PHYSICAL PROPERTIES & SPECIFICATIONS

Weight:	3.0 oz. per yd ²
Elongation:	62% ASTM D1682t
Tear Strength (Trapezoidal):	16 lbs. ASTM D1117
Mullen Burst:	177 lbs. ASTM D3786
Tensile Strength:	57 lbs. ASTM D1682
VOC Content:	0 g/L MAX