

# 5540 Resat-Mat

## DESCRIPTION:

Karnak 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, Karnak 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 Karnak 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.

## FEATURES, BENEFITS AND ADVANTAGES:

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

## PHYSICAL PROPERTIES

Weight oz/yd <sup>2</sup> :	3.00
Elongation:	62% ASTM D-1682†
Tear Strength(Trapezoid):	16 lbs. ASTM D-1117
Mullen Burst:	177 lbs. ASTM D-3786
Tensile Strength:	57 lbs. ASTM D-168

# KARNAK

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 WEB: <http://www.karnakcorp.com>

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## TECHNICAL DATA:

<u>Chemical</u>	<u>Exposure at Temp.</u>	<u>% MD Grab Breaking Strength Retained</u>
1% Sodium Hydroxid	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

## AVAILABILITY:

Weight: 3.00 oz. per square yard

## SIZE/PACKAGE:

40" x 324'	(10 square) (1080 ft <sup>2</sup> / 120 yd <sup>2</sup> )	1 roll / carton
6" x 300'	(150 ft <sup>2</sup> / 16.7 yd <sup>2</sup> )	6 rolls / carton
4" x 300'	(100 ft <sup>2</sup> / 11.1 yd <sup>2</sup> )	9 rolls / carton

**If further information is needed, contact Karnak Technical Services at 1-800-526-4236.**

Please see page 222 for additional mold and safety information.

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