



# DERMATEX



NONWOVEN GEOTEXTILE POLYESTER MATS

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**DERMATEX 120/150/200 geotextiles are multi purpose, high strength, dimensionally stable non-wovens widely used in the roofing and civil engineering fields.**

#### **USES:**

- ❑ **Filtration:** Allow the passing of water while retaining the dirt, mainly used in inverted roofing systems between the gravel and insulation, in roof gardens and as an erosion control.
- ❑ **Separation:** Prevent the mixing between two substances thus allowing the free movement of adjacent materials.
- ❑ **Protection:** Preserve membranes, insulation boards from being punctured or damaged. They can be very effective on horizontal surfaces in underground water-proofing using geomembranes.

- ❑ **Soil Stabilisation:** Stimulate proper drainage and load stress dispersion. Effective in road construction, landscaping, sport courts and site development extending the necessary shear strength for soils to withstand high loads and restrict uneven movement.

#### **CHARACTERISTICS:**

- ❖ High tensile strength
- ❖ Good elongation
- ❖ Outstanding puncture resistance
- ❖ High tear strength
- ❖ Chemical resistance to salt, sulfuric acids and alkalis present in the soil.
- ❖ Good porosity.
- ❖ Low moisture retention and water absorption.
- ❖ Rotproof
- ❖ UV resistant, will not degrade easily when exposed to sun rays.
- ❖ Dimensionally stable against thermal changes.
- ❖ Resistant to micro-organisms and insects attack.
- ❖ Ecologically non-polluting.

## TECHNICAL DATA

DERMABIT PRODUCTS ARE TESTED AT RANDOM INTERVALS BY INDEPENDENT LABORATORIES TO INTERNATIONAL STANDARDS AND THE RESULTS OF THESE TESTS ARE AVAILABLE ON REQUEST. IN ADDITION, EACH BATCH MANUFACTURED IS SUBJECT TO STRICT QUALITY CONTROL PROCEDURES TO ENSURE IT MEETS APPROPRIATE AND APPLICABLE STANDARDS AND/OR NORMS.

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PROPERTIES	DERMATEX 120	DERMATEX 150	DERMATEX 200	TEST METHODS
Density	1.38 Kg / dm <sup>3</sup>	1.38 Kg / dm <sup>3</sup>	1.38 Kg / dm <sup>3</sup>	
Weight	120 gr/m <sup>2</sup>	150 gr/m <sup>2</sup>	200 gr/m <sup>2</sup>	EN 29073 - 1
Thickness	0.6 mm	0.8 mm	1.1 mm	
Tensile Strength Longitudinal Transverse	65 N/5 cms 69 N/5 cms	120 N/5 cms 110 N/5 cms	190 N/5 cms 200 N/5 cms	ASTM D4632
Elongation Longitudinal Transverse	51% 79%	65% 70%	80% 65%	ASTM D4632
Puncture Resistance	> 120 N	> 600 N	> 800 N	EN 12236
Normal Permeability	0.10 m/s x 10 <sup>3</sup>	0.07 m/s x 10 <sup>3</sup>	0.0225 m/s x 10 <sup>3</sup>	CNR B.U. 144
Tolerance	± 10%	± 10%	± 10%	
Fabric Colour	Light Green	Light Green	Light Green	

The above data are average figures obtained from the tests of various samples and are subject to the tolerances defined in the specified test methods.

### DWI, DERMABIT WATERPROOFING INDUSTRIES COMPANY LTD.

Head Office P. O. Box 10308 - Jubail Industrial City 31961 Saudi Arabia  
Telephone : 00966 3 3410464 Telefax : 00966 3 341 0481  
E-mail: [dermabit@dermabit.com.sa](mailto:dermabit@dermabit.com.sa)  
Website : [dermabit.net](http://dermabit.net)

Riyadh Branch Telephone : 00966 1 4645988 / 4657761  
Telefax : 00966 1 4634100  
E-mail: [dwi\\_riyadh@dermabit.net](mailto:dwi_riyadh@dermabit.net)

Jeddah Branch Telephone : 00966 2 6973309 - Telefax : 00966 2 6976374  
E-mail: [dwi\\_jeddah@dermabit.net](mailto:dwi_jeddah@dermabit.net)

Al-Khobar Branch Telephone : 00966 3 8823986 - Fax : 00966 3 8878025  
E-mail: [dwi\\_khobar@dermabit.net](mailto:dwi_khobar@dermabit.net)

Submitted by :

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