

ULTRASHIELD™ G-800

NON-WOVEN GEOTEXTILE FABRIC

DESCRIPTION

ULTRASHIELD™ G-800 is a polypropylene, staple fiber, non-woven geotextile. The fibers are needled-punched, forming a stable network that retains dimensional stability relative to each other. The geotextile is resistant to ultraviolet degradation and biological and chemical environments found in soils. Manufacturing Quality Control tests have been performed and are accredited by the Geosynthetic Accreditation Institute's Laboratory Accreditation Program (GAI-LAP).

APPLICATION

ULTRASHIELD™ G-800 is designed for use as an underslab adhesion protection course spe-

cially designed and required for underslab LIQUID BOOT® applications where the membrane must remain attached to the underslab of the building. This is to ensure the membrane remains in place despite soil settlement, which is common when building is on a landfill.

BENEFITS

ULTRASHIELD™ G-800 is installed directly over the finished LIQUID BOOT® vapor intrusion barrier, providing superior protection from other trades.

PACKAGING

- 15 ft x 300 ft (4.5 m x 91.4 m) Rolls



ULTRASHIELD™ G-800 is a needle-punched, non-woven geotextile with superior tensile strength and puncture resistance.

TESTING DATA

PHYSICAL PROPERTIES			
PROPERTY	TEST METHOD	RESULT (ENGLISH)	RESULT (METRIC)
Tensile Bond Strength to Concrete ³	ASTM C 297-94	7 psi	
Mass/Unit Area	ASTM D 5261	8.0 oz/yd ²	271 g/m ²
Thickness	ASTM D 5199	90 mils	2.3 mm
Tensile Strength	ASTM D 4632	220 lbs.	979 N
Elongation	ASTM D 4632	50%	50%
CBR Puncture Strength	ASTM D 6241	575 lbs	2600 N
Trapezoid Tear	ASTM D 4533	95 lbs.	423 N
UV Resistance	ASTM D 4355	70%	70%
A.O.S.	ASTM D 4751	80 U.S. Sieve	0.180 mm
Permittivity	ASTM D 4491	1.5 sec ⁻¹	1.5 sec ⁻¹
Permeability	ASTM D 4491	0.38 cm/sec	0.38 cm/sec
Water Flow Rate	ASTM D 4491	110 gal/min//ft ²	4482 l/min/m ²

NOTES:

¹The property values listed above are effective 04/2011 and are subject to change without notice.

²All values shown are in weaker principal direction and are Minimum average roll values (MARV), except for AOS, which is a Maximum average roll value.

³Historical value, based on past testing.

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