

TECHNICAL DATA

ULTRASHIELD™ G-800

NON-WOVEN GEOTEXTILE FABRIC

DESCRIPTION

UltraShield™ G-800 is a polypropylene, staple fiber, non-woven geotextile. The fibers are needle-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 a underslab adhesion protection course specially 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 on a landfill.

BENEFITS

UltraShield™ G-800 is installed directly over the finished Liquid Boot® gas vapor barrier, providing superior protection from other trades.



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	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%
Mullen Burst	ASTM D 3786	420 psi	2895 kPa
Puncture Strength	ASTM D 4833	135 lbs.	601 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	4480 l/min/m ²

PACKAGING

UltraShield™ G-800 is available in the following packaging option:

- ▶ 15 ft. x 180 ft. Rolls

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IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most current information, please visit remediation.cetco.com. CETCO accepts no responsibility for the results obtained through application of this product. CETCO reserves the right to update information without notice.