

## TECHNICAL DATA

# ULTRASHIELD™ G-1000

## NON-WOVEN GEOTEXTILE FABRIC

### DESCRIPTION

UltraShield™ G-1000 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-1000 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-1000 is installed directly over the finished Liquid Boot® gas vapor barrier, providing superior protection from other trades.



UltraShield™ G-1000 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	10.0 oz/yd <sup>2</sup>	339 g/m <sup>2</sup>
Thickness	ASTM D 5199	105 mils	2.7 mm
Tensile Strength	ASTM D 4632	270 lbs.	1202 N
Elongation	ASTM D 4632	50%	50%
Mullen Burst	ASTM D 3786	520 psi	3585 kPa
Puncture Strength	ASTM D 4833	180 lbs.	801 N
Trapezoid Tear	ASTM D 4533	105 lbs.	467 N
UV Resistance	ASTM D 4355	70%	70%
A.O.S.	ASTM D 4751	100 U.S. Sieve	0.150 mm
Permittivity	ASTM D 4491	1.2 sec <sup>-1</sup>	1.2 sec <sup>-1</sup>
Permeability	ASTM D 4491	0.30 cm/sec	0.30 cm/sec
Water Flow Rate	ASTM D 4491	85 gal/min//ft <sup>2</sup>	3463 l/min/m <sup>2</sup>

### PACKAGING

UltraShield™ G-1000 is available in the following packaging option:

- ▶ 15 ft. x 180 ft. Rolls

2870 Forbs Avenue, Hoffman Estates, IL 60192  
800.527.9948 | <http://remediation.cetco.com>

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](http://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.