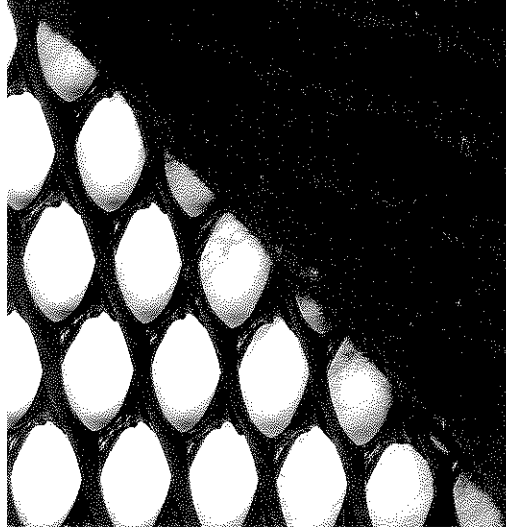


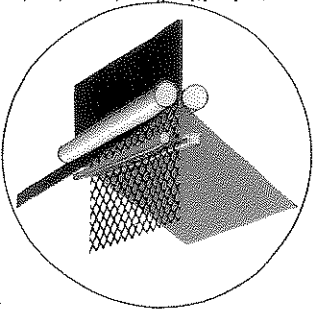
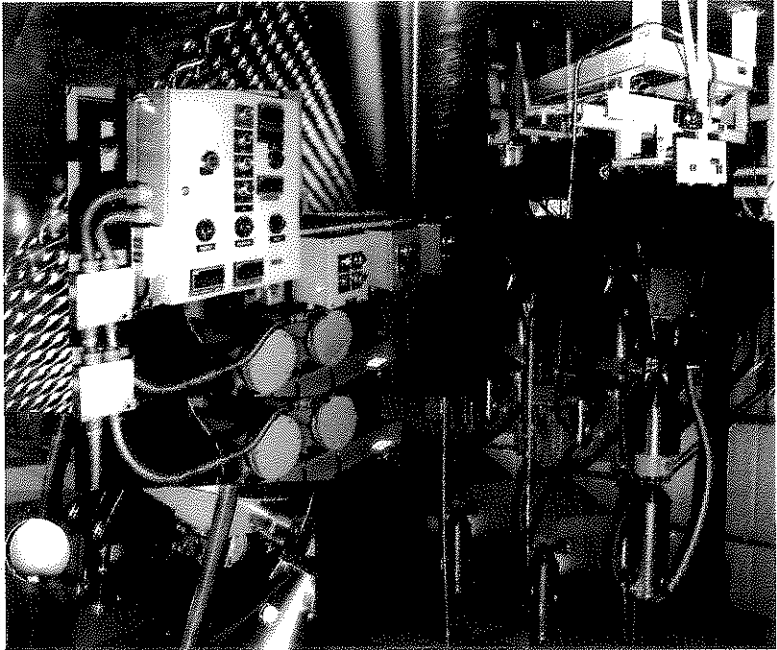
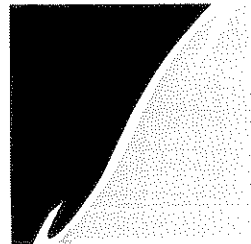
**ENVIRONMENTAL DRAINAGE PRODUCTS**

**TRANSNET™**



# TRANSNET

**SKAPS**



## PRODUCTION

SKAPS employs a flame lamination technique in the production of its geocomposites, (geonet bonded with geotextile) which eliminates the problems encountered in temperature control with direct contact heating elements. The use of direct flame impingement insures the proper temperature for fabric adhesion at all points along the width of the fabric resulting in positive lamination and very high peel strengths. This non-contact process greatly reduces the amount of damage to the net during the heating stage. This element of production is critical since the key function of a geonet, or geocomposite, is the conveyance of fluid. Also, the lamination method provides a clean, consistent, non-laminated edge for ease of field installation of seams and the satisfaction of field installation crews.

## High Production Capacity

SKAPS Industries incorporates a streamlined high production operation for the manufacturing of our products. Our staged process offers high capacity and production flexibility. This system also allows us to service those customers requiring special widths and product needs without interfering with standard production. At SKAPS, our goal is to provide the customer with the best product possible, delivered to meet today's stringent construction deadlines.

SKAPS TRANSNET is a biaxial geonet manufactured from high density polyethylene for the purpose of environmental drainage control. SKAPS produces TRANSNET in thicknesses ranging from 160 to 330 mills. The most common application is for landfill leachate collection. TRANSNET is specially formulated to allow for use in high load applications such as landfill cells where compression resistance is critical. The biaxial grid design, which is the proven standard in today's geonets, provides high flow characteristics in both machine and cross directions. The ability to allow complete flow in all directions is critical due to irregular surfaces caused by settlement and construction. TRANSNET may also be incorporated with a geotextile based on the customer specifications.

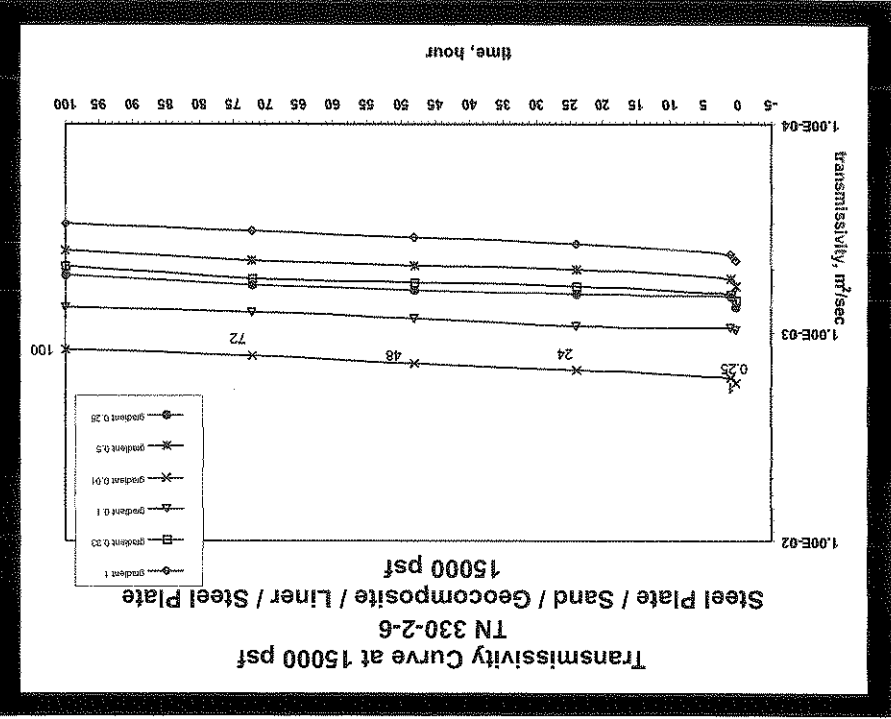
## TRANSNET GEOCOMPOSITES

SKAPS TRANSNET is available as a geocomposite that is TRANSNET geonet bonded with a non-woven geotextile. The primary purpose of this material is as a filter media for leachate solutions. The fabric acts as the filter for the migrating fluid and only allows liquids to enter and be carried by the geonet. SKAPS selects only high quality polypropylene geotextiles to be used in the manufacturing of our geocomposites. These geotextiles are available in various weights and can be laminated in either a single or double-sided configuration. The final product is based upon what you the customer require in your engineered applications.

## QUALITY CONTROL

SKAPS maintains strict quality control over its products using the best and latest in testing equipment and techniques. Not only do we maintain a strict QA/QC program, based on GRI and ASTM procedures, but we also utilize the most accurate and efficient equipment available. Since the critical element to geonets and geocomposites is its flow characteristics, i.e. transmissivity, SKAPS utilizes a transmissivity test unit which supplies accuracy and repeatability unmatched in the manufacturing or testing industry. By ensuring our equipment is the most accurate, we are able to supply consistent and applicable results. SKAPS Industries is setting the standard when it comes to evaluating the true function of geonets and geocomposites: drainage capability. At SKAPS, we take the guess-work out of testing and provide the customer with real and functional data.





**Compressive Creep Reduction Factors for TN 330**

Normal Load, psf	% Thickness retained at 10,000 hours	R <sub>CR</sub>
30,000	67.6	1.323
15,000	88.9	1.057
10,000	90.3	1.027

\*Creep reduction factors are computed in accordance with relevant portions of GRI GC8

1. Geocomposite transmissivity properties are directly related to textile type and weight. Contact technical representatives with specification and parameters for typical values.
2. Geonet properties are tested prior to the lamination process. They cannot be tested on the final product. Transmissivity measured using water at 20 Degrees C with a gradient of 0.1 under a confining pressure of 10,000 psf, between two stainless steel plates, after 15 minutes. Values may vary based on dimension of the transmissivity specimen and specific laboratory.
4. These values represent minimum acceptable values for a roll as tested according to SKAPS Manufacturing Quality Control Manual. Individual test specimen values are not addressed on this specification. Specific values regarding textile properties are available upon request. Typical supplied values are based upon the use of a 6 ounce textile laminated to both sides of the geonet.

PROPERTY	TEST	UNITS	NOMINAL*
Ply Adhesion	ASTM D7005	lbs./in.	1.0
Transmissivity	ASTM D4716	M²/sec	Note 1
<b>GEOCOMPOSITE PROPERTIES</b>			
PROPERTY	TEST	UNITS	NOMINAL*
Density	ASTM D 1505	g/cm³	0.94
Carbon Black	ASTM D 4218	%	2.0
Thickness*	ASTM D 5199	mils	220 +/- 20
Mass per unit area	ASTM D 5261	lbs./ft²	0.162
Tensile Strength	ASTM D 5035	lbs./in	45
Transmissivity*	ASTM D 4716	M²/sec	2.0 x 10³

\* TRANSNET also available in thickness ranges of 160 - 330 mils.

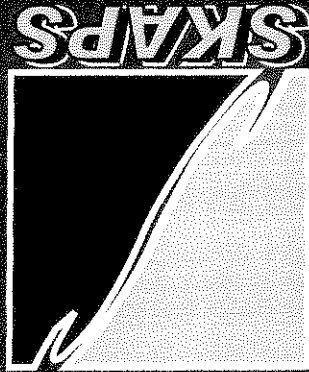
Information regarding the physical properties of SKAPS Industries products, including the information contained in these specification sheets, is, to the best of our knowledge, information believed representative of SKAPS Industries products. All information, data, suggestions, opinions, and recommendations are offered without guarantee or warranty of any kind. The final determination as to the appropriate-ness or suitability of any SKAPS Industries product in any particular applications rests with the user and is the user's sole responsibility. SKAPS Industries reserves the right to alter, change, or modify its products and its product specifications at any time without notice. Please check with your SKAPS sales or technical representative to assure that specifications are current.

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**SALES OFFICES:**



**COMPANY BACKGROUND**

SKAPS Industries is a leader in the fabrication of geosynthetic drainage products for the environmental industry in the U.S. and abroad. Through its exclusive manufacturing processes, SKAPS is able to meet the supply demands of even the largest orders and most rigorous schedules. Our business is only to produce the best geonets and geocomposites available without being sidetracked on other products. When it comes to geonets and geocomposites, SKAPS is the answer for environmental drainage control.

**SKAPS...  
Nothin' but Net**

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