

# Geotextile Comparison: Terram 1000 & Ekotex 07

			Terram 1000	Ekotex 07	How Ekotex 07 Compares
<b>Product References</b>			T-1000	Eko 07	-
<b>Type of Product</b>			Non-Woven	Non-Woven	<b>Equal</b>
<b>Production Method</b>			Thermally bonded	Thermally Bonded	<b>Equal</b>
<b>Wide-width Tensile Test (Strip-test, 200mm)</b>	<b>EN/ISO 10319</b>		-	-	-
<b>Longitudinal direction</b>	<b>kN/m</b>		8.0	8.0	<b>Equal</b>
<b>Transverse direction</b>	<b>kN/m</b>		8.0	8.0	<b>Equal</b>
<b>Elongation at break (MD/CD)</b>	<b>%</b>		60	55/61	<b>Equal</b>
<b>Dynamic perforation (Cone drop test)</b>	<b>EN 918 mm</b>		38	34	<b>Better</b> Smaller Cone drop figure is considered better as an indicator of resistance to damage.
<b>Water permeability</b>	<b>EN ISO 11058</b>		-	-	-
<b>Without load:</b>	<b>Permittivity</b>	<b>sec<sup>-1</sup></b>	U	U	<b>Better</b>
	<b>Water Flow</b>	<b>1/sec/m<sup>2</sup></b>	90	115	Higher flow is better for drainage
<b>Pore size d<sub>90%</sub></b>	<b>EN/ISO 12956</b>	<b>micron</b>	75	68	<b>Better</b> Smaller pore size is generally better as it prevents the migration of fine particles.
<b>Dimensions</b>	<b>Width</b>	<b>m</b>	4.5	4.5	<b>Equal</b>
	<b>Length</b>	<b>m</b>	100	100	<b>Equal</b>
	<b>Roll diameter</b>	<b>cm</b>	29	34	-

## Summary

<b>Tensile Strength</b>	Ekotex is equal to Terram 1000 in Strength.
<b>Elongation at break</b>	Higher elongation enables fabric to withstand installation damage better due to energy absorption.
<b>Dynamic Performance</b>	Ekotex is better.
<b>Water permeability</b>	Ekotex has higher water flow
<b>Pore size</b>	Smaller pore size allows Ekotex to restrict more fine particles thereby improving separation and assisting drainage

U = Unknown value, not available on any spec sheets

The above technical values are mean values based on measurements in current production and test results from independent test institutes.

The 'Terram' figures were obtained from the current datasheet online 10.04.13

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