

Geotextile Comparison: Terram 1000 & Ekotex 07

			Terram 1000	Ekotex 07	How Ekotex 07 Compares
Product References			T-1000	Eko 07	-
Type of Product			Non-Woven	Non-Woven	Equal
Production Method			Thermally bonded	Thermally Bonded	Equal
Wide-width Tensile Test (Strip-test, 200mm)	EN/ISO 10319		-	-	-
Longitudinal direction	kN/m		8.0	8.0	Equal
Transverse direction	kN/m		8.0	8.0	Equal
Elongation at break (MD/CD)	%		60	55/61	Equal
Dynamic perforation (Cone drop test)	EN 918 mm		38	34	Better Smaller Cone drop figure is considered better as an indicator of resistance to damage.
Water permeability	EN ISO 11058		-	-	-
Without load:	Permittivity	sec⁻¹	U	U	Better
	Water Flow	1/sec/m²	90	115	Higher flow is better for drainage
Pore size d_{90%}	EN/ISO 12956	micron	75	68	Better Smaller pore size is generally better as it prevents the migration of fine particles.
Dimensions	Width	m	4.5	4.5	Equal
	Length	m	100	100	Equal
	Roll diameter	cm	29	34	-

Summary

Tensile Strength	Ekotex is equal to Terram 1000 in Strength.
Elongation at break	Higher elongation enables fabric to withstand installation damage better due to energy absorption.
Dynamic Performance	Ekotex is better.
Water permeability	Ekotex has higher water flow
Pore size	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

Geosynthetics Limited accept no responsibility for improper use or misinterpretation of the technical specifications published in connection with Ekotex Geotextiles. Wet or dry, the properties of Ekotex Geotextiles remain unchanged, and are resistant to attacks of dry rot or fungi. Ekotex Geotextiles are resistant to acids and alkalis.

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge becomes available. Since we cannot anticipate all variations in actual end use conditions, Geosynthetics Limited makes no warranties and assumes no liabilities in connection with this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right.

DR: 68/V2/02.12.13



Geosynthetics