Geosynthetics Limited Tel: 01455 617 139 Fax: 01455 617 140 Email: sales@geosyn.co.uk

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	**$1/sec/m^2$**	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 Performation	Ekotex is better.
Water permeability	Ekotex has higher water flow
Pore size	Smaller pore size allows Ekotex to restrict more fine particles thereby improving seperation 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.

DR: 68/V2/02.12.13

Geosynthetics