

Geotextile Comparison: Terram 1500 & Ekotex 12 (1500)

	Standard	Unit	Terram 1500	Ekotex 12 (1500)	Ekotex 12 (1500) Comparison
Product References	-	-	T-1500	Eko 12 (1500)	-
Type of Product	-	-	Non-Woven	Non-Woven	Equal
Production Method	-	-	Thermally bonded	Thermally Bonded	Equal
Static Puncture Resistance	EN ISO 12236	kN	2.25	2.25	Equal
Wide-width Tensile Test (Strip-test, 200mm):	EN ISO 10319	kN/m	-	-	-
Longitudinal direction			12.5	14	Better
Transverse direction			12.5	15	Better
Elongation at break (MD/CD)		%	27	60	Better
Dynamic perforation (Cone Drop Test)	EN 13433	mm	32	21	Better A lower figure indicates greater resistance to damage.
Water flow rate	EN ISO 11058	l/m²s	65	85	Better Higher flow is better for drainage
Pore size d₉₀	EN ISO 12956	Micron	65	60	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	35	45	-

Summary

Tensile Strength	Ekotex is stronger Terram.
Static Puncture Resistance	Ekotex is equal to Terram in terms of puncture resistance.
Elongation at Break	Ekotex can withstand more installation stresses when compared to Terram.
Dynamic Performance	Ekotex is more resistant to damage once installed.
Water flow	Ekotex is better for drainage as the flow rate is higher.

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 26.01.15

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: 69/V3/26.01.15



Geosynthetics