

Geotextile Comparison: Terram 700 & Ekotex 06 (700)

	Standard	Unit	Terram 700	Ekotex 06 (700)	Ekotex 06 (700) Comparison
Product References	-	-	T-700	Eko 06 (700)	-
Type of Product	-	-	Non-Woven	Non-Woven	Equal
Production Method	-	-	Thermally bonded	Thermally Bonded	Equal
Static Puncture Resistance	EN ISO 12236	kN	1.05	1.05	Equal
Wide-width Tensile Test (Strip-test, 200mm):	EN ISO 10319	kN/m	-	-	-
Longitudinal direction			6.0	6.0	Equal
Transverse direction			6.0	6.0	Equal
Elongation at break (MD/CD)		%	60	60	Equal
Dynamic perforation (Cone Drop Test)	EN 13433	mm	42	39	Better A lower figure indicates greater resistance to damage.
Water flow rate	EN ISO 11058	l/m²s	100	120	Better Higher flow is better for drainage
Pore size d_{90%}	EN ISO 12956	Micron	95	75	Better Smaller pore size is generally better as it prevents the migration of fine particles.

Summary

Tensile Strength	Ekotex is as strong as Terram
Static Puncture Resistance	Ekotex is equal to Terram in terms of puncture resistance.
Elongation at Break	Ekotex can withstand installation damage as well as Terram.
Dynamic Performance	Ekotex is more resistant to damage once installed.
Water flow	Ekotex is better for drainage as the flow rate is higher.
Pore size	Smaller pore size allows Ekotex to restrict more fine particles thereby improving separation and assisting drainage

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

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