

Erosion Control

Technical Datasheet

Lotrak® geosynthetics can help to control erosion by creating a barrier between the water, the soil and rock particles. Separating the coast or river bank from the corrosive effects of the water, Lotrak® prevents soil and rock particles being dislodged and transported back into the sea or down river.

Rain can also cause surface or hill slope erosion; however, Lotrak® geotextiles can control the flow of water into the soil, helping to avoid landslips. Lotrak® erosion control geotextiles are also used as temporary covers while hillside vegetation is established.

Product Features

- ▶ Lotrak® erosion control geotextiles help to control erosion by creating a high performance barrier
- ▶ The high strength and with low elongation of Lotrak® provides effective ground reinforcement
- ▶ The high tensile strength and CBR properties are particularly suited as reinforcement for very soft ground

Benefits

- ▶ Excellent lightweight reinforcement
- ▶ High tensile strength
- ▶ Effective separation
- ▶ Superior reinforcement



TEST	STANDARD		LOTRAK®		
			25R	50R	70R
Product					
Tensile Strength (kN/m)	EN 10319	MD	26	52	74
		CD	26	52	72
Tensile Strength at 5% strain (%)	EN 10319	MD	16	25	55
		CD	16	45	55
Elongation at max. load (%)	EN 10319	MD	9	11	9
		CD	9	8	7
CBR Puncture Resistance (N)	EN ISO 12236		3200	6000	9200
Cone Drop Penetration (mm)	EN 918		12	8	6
Pore size 90% finer than (microns)	EN ISO 12956		270	210	240
Water Permeability $V_{I_{H50}}$	EN ISO 11058		0.010	0.014	0.018
Water Flow Rate (l/m ² /sec)	EN ISO 11058		10	14	18
Effect of UV Light	The polypropylene (PP) used contains a UV inhibitor				
Roll Size (m)		Width	5	5	5
		Length	100	100	100



All products are manufactured under BS EN ISO 9001.

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