

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.

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		25R	50R	70R
Tensile Strength (kN/m)	EN 10319	MD CD	26 26	52 52	74 72
Tensile Strength at 5% strain (%)	EN 10319	MD CD	16 16	25 45	55 55
Elongation at max. load (%)	EN 1031	MD CD	9 9	11 8	9 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 ($\times 10^{-3}$) (m/sec)	EN ISO 11058		10	14	18
Effect of UV Light	The polypropylene (PP) used contains a UV inhibitor				
Roll Size (m)		Width Length	5 100	5 100	5 100



All products are manufactured under BS EN ISO 9001.

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