

## Erosion Control

### Technical Datasheet

Lotrak<sup>®</sup> 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<sup>®</sup> prevents soil and rock particles being dislodged and transported back into the sea or down river.

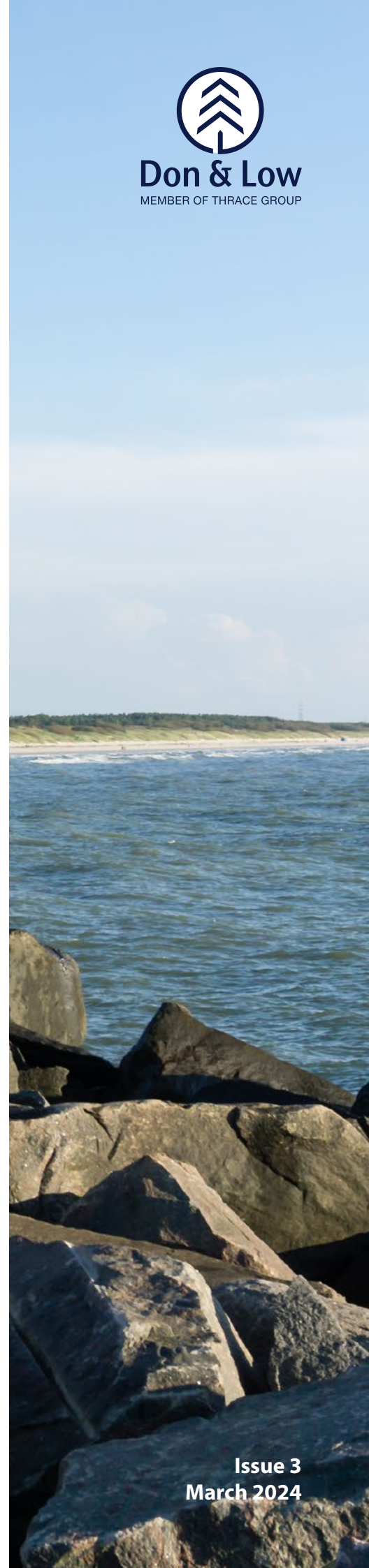
Rain can also cause surface or hill slope erosion; however, Lotrak<sup>®</sup> geotextiles can control the flow of water into the soil, helping to avoid landslips. Lotrak<sup>®</sup> erosion control geotextiles are also used as temporary covers while hillside vegetation is established.

#### *Product Features*

- ▶ Lotrak<sup>®</sup> erosion control geotextiles help to control erosion by creating a high performance barrier
- ▶ The high strength and with low elongation of Lotrak<sup>®</sup> 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 <sup>®</sup>	
			50R	70R
Product				
Tensile Strength (kN/m)	EN 10319	<b>MD</b>	52	74
		<b>CD</b>	52	72
Tensile Strength at 5% strain (%)	EN 10319	<b>MD</b>	25	55
		<b>CD</b>	45	60
Elongation at max. load (%)	EN 10319	<b>MD</b>	11	9
		<b>CD</b>	8	7
CBR Puncture Resistance (N)	EN ISO 12236		6000	9200
Cone Drop Penetration (mm)	EN13433		8	6
Pore size 90% finer than (microns)	EN ISO 12956		210	240
Water Permeability $V_{I_{H50}}$	EN ISO 11058		0.014	0.018
Water Flow Rate (l/m <sup>2</sup> /sec)	EN ISO 11058		14	18
Effect of UV Light		The polypropylene (PP) used contains a UV inhibitor		
Roll Size (m)			5 x 100	5 x 100

### All products are manufactured under BS EN ISO 9001.

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