

## Technical Datasheet

Lotrak<sup>®</sup> 50R is a woven polypropylene geotextile used as an excellent reinforcement fabric in a wide range of civil engineering applications. This geotextile provides high tensile strength and CBR properties and is particularly suited as a reinforcement to soft ground.

TEST	STANDARD		Lotrak <sup>®</sup> 50R
Tensile Strength (kN/m)	EN ISO 10319	<b>MD</b>	52
		<b>CD</b>	52
Tensile Strength at 5% strain (%)	EN ISO 10319	<b>MD</b>	25
		<b>CD</b>	45
Elongation at max. load (%)	EN ISO 10319	<b>MD</b>	11
		<b>CD</b>	8
CBR Puncture Resistance (N)	EN ISO 12236		6000
Cone Drop Penetration (mm)	EN ISO 13433		8
Pore size 90% finer than (microns)	EN ISO 12956		210
Water Permeability $V_{I_{H50}}$	EN ISO 11058		0.014
Water Flow Rate (l/m <sup>2</sup> /sec)	EN ISO 11058		14
Effect of UV Light	The polypropylene (PP) used contains a UV inhibitor		
Roll Size (m)			5 x 100

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

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