

## Separation

### Technical Datasheet

Lotrak<sup>®</sup> separation geotextiles are used between the sub grade and sub base. This prevents intermixing of expensive stone and other aggregates within the soil, while providing good ground stabilisation.

Designed to control particle movement of the soil, Lotrak<sup>®</sup> separators, prevent clogging while maintaining water flow by creating a bridging zone to promote natural soil filtration. The main purpose of all Lotrak<sup>®</sup> separation geotextiles is to prevent the loss of construction gravel and aggregates into the underlying soil and/or subgrade.

#### *Product Features*

- ▶ Prevents the loss of construction aggregates into the underlying soil
- ▶ Demonstrates high tensile strength and CBR properties to offer an element of protection
- ▶ As a lightweight separator, Lotrak can help reduce the carbon footprint of a project, making it an efficient and cost effective solution

#### *Benefits*

- ▶ Proven separator performance
- ▶ Superior strength and resistance
- ▶ High mechanical strength
- ▶ Good puncture resistance
- ▶ Reduced stone requirements



TEST	STANDARD		BASE	ADVANCE	1800	2300	2800	80	100	140	200	300
Tensile Strength (kN/m)	EN 10319	<b>MD</b>	10	12	12	21	22	6	8	12	18	25
		<b>CD</b>	9	9	12	17	21	6	8	12	18	25
Elongation at max. load (%)	EN 10319	<b>MD</b>	22	22	22	22	22	36	45	45	50	65
		<b>CD</b>	15	15	18	18	14	42	45	45	50	65
CBR Puncture Resistance (N)	EN ISO 12236		1500	1550	1800	2600	2800	1050	1500	2000	2900	4300
Cone Drop Penetration (mm)	EN 918		18	16	14	11	10	48	36	26	18	13
Pore size 90% finer than (microns)	EN ISO 12956		220	240	200	180	270	128	100	90	70	70
Water Permeability (x 10 <sup>-3</sup> ) (m/sec)11058	EN ISO		10	18	18	22	20	144	130	110	80	65
Effect of UV Light	<b>The polypropylene (PP) used contains a UV inhibitor</b>											
Roll Size (m)	<b>Width</b>		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	<b>Length</b>		100	100	100	100	100	100	100	100	100	50/ 100



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

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