

# 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	2300	2800	80	100	140	160	200	300
			Woven Geotextiles			Needlepunch Non-Woven Geotextiles					
Tensile Strength (kN/m)	EN 10319	<b>MD</b>	10	21	22	6	8	12	14	18	25
		<b>CD</b>	9	17	21	6	8	12	14	18	25
Elongation at max. load (%)	EN 10319	<b>MD</b>	13	22	22	36	45	45	50	50	65
		<b>CD</b>	15	18	14	42	45	45	50	50	65
CBR Puncture Resistance (N)	EN ISO 12236		1500	2600	2800	1050	1500	2000	2300	2900	4300
Cone Drop Penetration (mm)	EN 13433		18	11	10	48	36	26	23	18	13
Pore size 90% finer than (microns)	EN ISO 12956		300	180	270	128	100	90	80	70	70
Water Permeability $V_{I_{H50}}$	EN ISO 11058		0.010	0.022	0.020	0.144	0.130	1.110	0.090	0.080	0.065
Water Flow Rate (l/m <sup>2</sup> /sec)	EN ISO 11058		10	22	20	144	130	110	90	80	65
Effect of UV Light	<b>The polypropylene (PP) used contains a UV inhibitor</b>										
<b>Roll Sizes (m)</b>			4.5x100	4.5x100	4.5x100	4.5x100	4.5x100 2.25x50 2.25x25	4.5x100	4.5x100	4.5x100	4.5x100 2x100 2x50
Handy Pack size (m)			4.5x10				4.5x10				

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

Don & Low reserves the right to change specifications or other product information. Don & Low accepts no responsibility or liability for information provided by third parties. No warranties, express or implied, are offered regarding the suitability of any product for your use, as site conditions and customer requirements vary. Should you require further information, please contact us. Products are sold subject to the seller's terms and conditions of sale. No warranty or immunity is offered against infringement of patents or other intellectual property rights.

©Don & Low Limited, 2024. The intellectual property in the products is owned and protected by Don & Low or its licensors.

