

# Separation

## Technical Datasheet

Our 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, these separators, prevent clogging while maintaining water flow by creating a bridging zone to promote natural soil filtration. The main purpose of all 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, these separators 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	1800	2300	2800	80	100	160	200	300
Tensile Strength (kN/m)	EN 10319	<b>MD</b>	10	12	21	22	6	8	14	18	25
		<b>CD</b>	9	12	17	21	6	8	14	18	25
Elongation at max. load (%)	EN 10319	<b>MD</b>	22	22	22	22	36	45	50	50	65
		<b>CD</b>	15	18	18	14	42	45	50	50	65
CBR Puncture Resistance (N)	EN ISO 12236		1500	1800	2600	2800	1050	1500	2300	2900	4300
Cone Drop Penetration (mm)	EN 918		18	14	11	10	48	36	23	18	13
Pore size 90% finer than (microns)	EN ISO 12956		200	200	180	270	128	100	80	70	70
Water Permeability V <sub>H50</sub>	EN ISO 11058		0.010	0.018	0.022	0.020	0.144	0.130	0.090	0.080	0.065
Water Flow Rate (l/m <sup>2</sup> /sec)	EN ISO 11058		10	18	22	20	144	130	90	80	65
Effect of UV Light	The polypropylene (PP) used contains a UV inhibitor										
Roll Size (m)		<b>Width</b>	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	50/ 100



All products are manufactured under BS EN ISO 9001.