

## PRODUCT DESCRIPTION

Lotrak® 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.

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



## FEATURES

- Prevents the loss of construction aggregates into 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 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
TENSILE STRENGTH (kN/m)	EN 10319	MD CD	10 9	12 9	12 12	21 17	22 21
ELONGATION AT MAX. LOAD (%)	EN 10319	MD CD	22 15	22 15	22 18	22 18	22 14
CBR PUNCTURE RESISTANCE (N)	EN ISO 12236		1500	1550	1800	2600	2800
CONE DROP PENETRATION (mm)	EN 918		18	16	14	11	10
PORE SIZE 90% FINER THAN MICRONS	EN ISO 12956		330	240	200	180	270
WATER PERMEABILITY (X 10 <sup>-3</sup> ) (m/sec)	EN ISO 11058		10	18	18	22	20
EFFECT OF UV LIGHT	THE POLYPROPYLENE (PP) USED CONTAINS A UV INHIBITOR						
ROLL SIZE (m)		WIDTH LENGTH	4.5 100	4.5 100	4.5 100	4.5 100	4.5 100

## REGISTERED OFFICE ADDRESS

Units 2 & 5 Tetbury Close  
Martland Industrial Park  
Wigan  
Greater Manchester  
WN5 0LA

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.

