

INBITEX GEOTEXTILE

PRODUCT DESCRIPTION

Inbitex is a specialist geotextile developed to enhance the performance of Form-pave Aquaflo permeable block paving and SuDS systems.

Inbitex is a green nonwoven geotextile that provides a filter/separator function within the block paving sub-base construction. As a geotextile it stops the inter-mixing of granular layers, thus stabilising the sub-base construction. The unique fibres of the Inbitex geotextile encourage the growth of a microbic biofilm habitat. These microbes biodegrade organic matter found in water run-off and have the capacity to consume 400g/m² of hydrocarbon per year. Inbitex geotextile removes any harmful pollutants and hydrocarbons cleaning the collected storm water for reuse in an attenuation system or direct infiltration.



MATERIAL PROPERTY	TEST METHOD	UNIT	VALUE
FIBRE COMPOSITION			
POLYPROPYLENE CORE (70% /POLYETHYLENE SHEATH (30%)			
MECHANICAL PROPERTIES (MEAN VALUES)			
TENSILE STRENGTH	EN ISO 10319	kN/m	8.5
ELONGATION	EN ISO 10319	%	28
CBR PUNCTURE RESISTANCE	EN ISO 12236	N	1575
TRAPEZOIDAL TEAR RESISTANCE	ASTM D4533	N	325
HYDRAULIC PROPERTIES (MEAN VALUES)			
PERMEABILITY (H ₅₀)	EN ISO 11058	l/m ² .s	80
OPENING SIZE (O ₉₀)	EN ISO 12956	µm	145
WATER BREAKTHROUGH HEAD	BS6906: PART 3	mm	50
AIR PERMEABILITY	ISO9237	l/m ² .s	2875
ROLL DIMENSIONS			
ROLL WIDTH		m	4.5
ROLL LENGTH		m	100

REGISTERED OFFICE ADDRESS

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

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

