

Inbitex™ Geotextile

PDS012 Issue 2—June 2021

DESCRIPTION:

Inbitex™ is a specialist nonwoven geotextile designed for use within PPS (pervious pavement systems) or SUDS (sustainable urban drainage systems) to provide separation, filtration and removal of pollutants from water runoff. Inbitex™ geotextile is manufactured using advanced bico technology from UV stabilised virgin polyolefin that have been thermally bonded to provide high mechanical strength with excellent hydraulic characteristics.

APPLICATIONS:

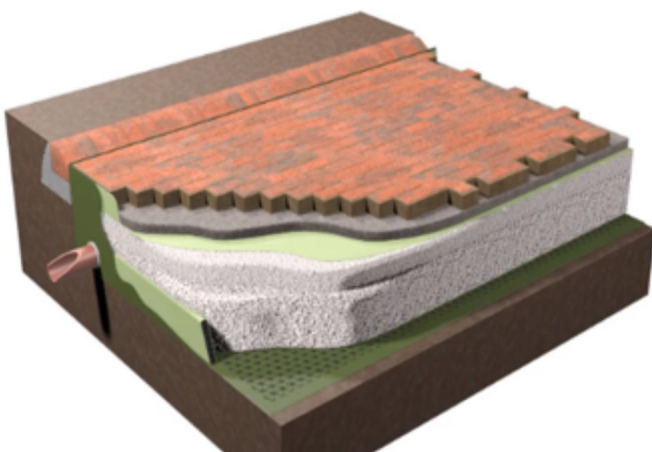
Inbitex™ was developed to enhance the performance of Formpave Aquaflo permeable concrete block paving systems and can be used with Terram Bodpave or any other PPS (pervious pavement systems). With 20 years of extensive research, testing and thousands of installations, Inbitex™ geotextile has been proven to be a key component in the removal of pollutants in water run off in a PPS.

- Formpave Aquaflo permeable concrete block paving system
- Terram Bodpave pervious pavement system
- Terram Truckpave pervious pavement system
- Porous/pervious paving systems (PPS)
- Filter wrap to geocellular attenuation/infiltration tanks
- Filter wrap for diffuser boxes
- Sustainable Drainage Systems (SuDS) filtration



FEATURES & BENEFITS:

- Attracts & traps hydrocarbons (oil) - prevents pollution
- Unique fibre matrix provides perfect habitat for microbial film - breaks down up to 400g oil/SQM/year
- Nonwoven material with isotropic properties—same strength in all directions extending pavement life
- High permeability and low pore sizes—effectively filters silts and other pollutants
- Chemically inert and durable—service life in excess of 100 years
- Lightweight and easy to handle - low risk of manual handling injury



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INTENDED USE/FUNCTION:



INTENDED APPLICATION:



			MEAN VALUE
MECHANICAL PROPERTIES	TEST METHOD	UNIT	
Tensile Strength	EN ISO 10319	kN/m	8.5
Tensile Elongation	EN ISO 10319	%	30
CBR Puncture Resistance	EN ISO 12236	kN	1.575
Cone Drop	EN ISO 13433	mm	38
HYDRAULIC PROPERTIES			
Pore Size - Mean AOS	EN ISO 12956	µm	145
Permeability	EN ISO 11058	Litres/m ² s	80
DURABILITY PROPERTIES			
Weathering (UV Exposure)	EN 12224	Days	30
Combined ageing (Oxidation, temperature & moisture)	EN ISO 13438	Service Life (Yrs)	100
PHYSICAL PROPERTIES			
Thickness (Nominal)	EN ISO 9863-1	mm	0.7
Composition	Polypropylene core (70%)/polyethylene sheath (30%)		
MATERIAL DIMENSIONS			
Width		m	4.5
Length		m	100
Gross Roll Weight (Nominal)		kg	63

PACKAGING & IDENTIFICATION STORAGE

Terram geosynthetics are supplied on cardboard cores and wrapped in Polyethylene sheeting with identification labels in accordance with ISO 10320. The rolls of geosynthetics shall be stored on stable/ level ground and stacked not more than two rolls high and no other materials shall be stacked on top. The rolls can be stored outdoors when packaged, but should be protected from exposure to UV. All materials should be stored in accordance with good health and safety practice and in accordance with local laws. For additional information please refer to Terram Geotextiles MSDS.

QUALITY

Terram geosynthetics are supplied having met internal quality requirements in accordance with our Quality Management system which is certified to BS EN ISO 9001:2015.

NOTES

Reported values are arithmetic mean values unless otherwise stated. For further details on physical parameters please refer to the individual Declaration of Performance certificates available for download from www.terram.com

Reported values related to durability testing are generally based on the lowest grade product within a family.

A Nominal value indicates that the value is not part of the performance specification and is provided for guidance only.

Gross roll weights are provided for lifting guidance only and does not form part of quality control.

ADDITIONAL INFORMATION

Refer to the Terram Jointing Methods (downloadable from www.terram.com) for when simple overlaps are required for subsequent and adjacent roll lengths. However, pegging, sewing, stapling or gluing can also be used depending upon the application, the sub-grade conditions, the loading, the convenience and the cost.

These figures relate to standard product weights and roll sizes. Other weights, sizes and colours may be available on request.

For further information please contact Terram Technical Support.

How else can we help? Get in touch with us

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