

DESCRIPTION:

PDS046 Issue 1—Nov 2021

Terram Bodgrid is a geocomposite consisting of a stiff biaxial soil stabilising geogrid thermally bonded to a nonwoven needle punched Terram geotextile filter/separator.

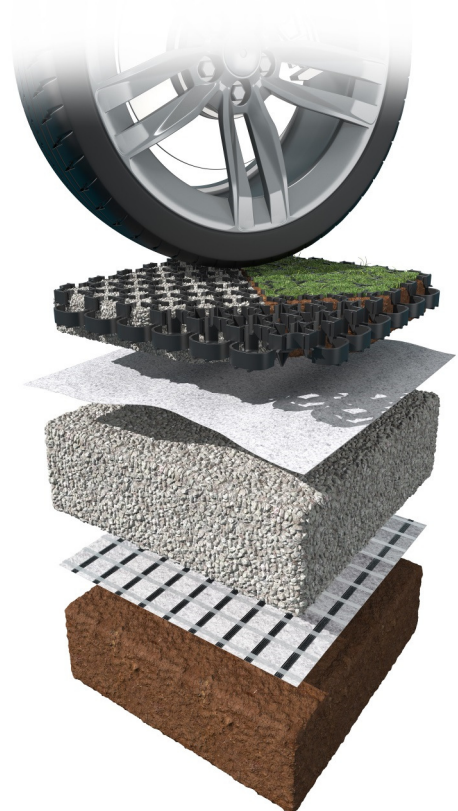
APPLICATIONS:

With over 50 years of unrivalled expertise and experience, Terram standard geotextiles are the original nonwoven geotextiles for separation and filtration applications. The stiff biaxial geogrid upper component of Terram Bodgrid is specifically designed to interlock with aggregate providing confinement and increasing the stiffness of the sub-base layer. The Terram geotextile component of Bodgrid maintains separation between the sub-base and sub-grade. Although specifically designed for use with Bodpave and Truckpave porous paving systems, Terram Bodgrid can also be used in:-

- Paved and unpaved roads.
- Car parks and hardstandings.
- Haul roads.
- Temporary working platforms.

FEATURES & BENEFITS:

- Single layer of Terram Bodgrid instead of separate geotextile and geogrid layers is much quicker to install saving time and money.
- Separation, filtration and reinforcement function reduces sub-base thickness and extends design life.
- Manufactured from polypropylene giving excellent long term durability in all soil types.



INTENDED USE/FUNCTION:



INTENDED APPLICATION:



PROPERTIES	Test Method	Unit	Mean Value
			GC30
MECHANICAL			1
BS8661 classification profile			
Tensile Strength (T_{ult})	EN ISO 10319	kN/m	30
Tensile Elongation (T_{ult})	EN ISO 10319	%	7
Tensile strength at 1% elongation	EN ISO 10319	kN/m	7
Tensile strength at 2% elongation	EN ISO 10319	kN/m	12
Tensile strength at 5% elongation	EN ISO 10319	kN/m	24
CBR Puncture Resistance	EN ISO 12236	kN	2
Cone Drop	EN ISO 13433	mm	34
HYDRAULIC			
Pore Size - Mean AOS	EN ISO 12956	μm	65
Permeability—(H50)	EN ISO 11058	$\text{l/m}^2\text{s}$	65
DURABILITY			
Weathering (UV Exposure)	EN 12224	Days	30
Combined ageing (Oxidation, temperature & moisture)	EN ISO 13438	Service Life (Years)	100
PHYSICAL			
Geogrid aperture dimensions		mm	37 x 40
Thickness @ 2kPa (Nominal)	EN ISO 9863-1	mm	3.4(nodes) 2.4 (ribs)
Weight (Nominal)	EN ISO 9864	gsm	360
MATERIAL DIMENSIONS			
Standard Roll Length		m	50
Standard Roll Width		m	4.8
Gross Roll Weight (Nominal)		kg	96

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 geosynthetic shall be stored on stable/ level ground and stacked not more than five 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 weight is based on standard roll dimensions and is provided for lifting guidance only, it does not form part of quality control procedures.

* Made to order, minimum quantity applies.

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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TERRAM
Geosynthetics you can trust