

TERRAM geocells

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Product Data Sheet

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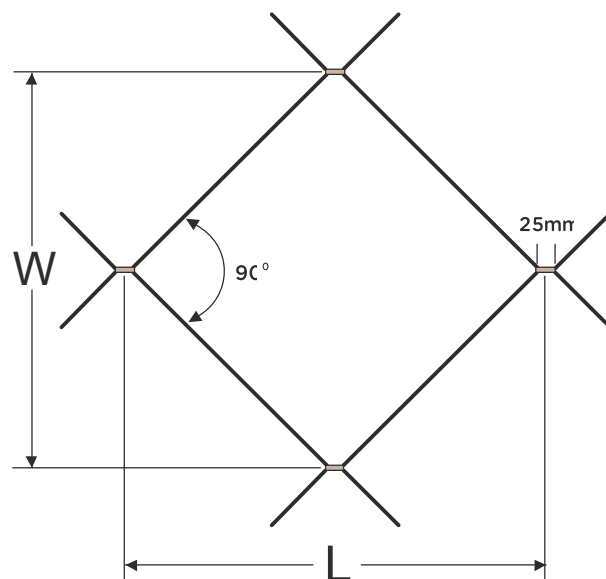
DESCRIPTION A cellular containment system manufactured from UV stabilised, high tenacity, virgin polypropylene fibres that have been heavily mechanically and thermally bonded to provide high strength, high modulus and excellent abrasion characteristics.

Panel Grade		22/20	25/10	25/15	35/10	35/15
Physical Properties						
Cell Nominal Diameter	mm	220	250	250	350	350
Cell Length (L)	mm	275	295	295	415	415
Cell Width (W)	mm	230	250	250	370	370
Cell Depth ¹	mm	200	100	150	100	150
Panel Length ¹	mm	6176	5175	5175	5199	5199
Panel Width ¹	mm	3227	7300	7300	7438	7438
Panel Weight	kg	20	17	25	11	17
Cells per m ² (nominal)		30	26	26	12	12
Mechanical/Hydraulic Properties						
Cell Wall Tensile Strength ²	kN/m	22.0	22.0	22.0	22.0	22.0
Cell Junction Peel Strength ³	kN/m	9.0	9.0	9.0	9.0	9.0
Cell Wall Permeability ⁴	l/m ² s	20.0	20.0	20.0	20.0	20.0

- Other sizes are available to order.
- Results derived from wide-width tensile test (EN ISO 10319).
- Terram internal test method.
- Results derived from a single cell wall Permeability Test (EN ISO 11058).

Results quoted are family mean values derived from testing over periods of time.

Colour: dark grey - other colours available to order



Durability

This product is predicted to be durable for more than 25 years in soils with a pH in the range 2 to 14 and with a temperature of less than 25°C.

Chemical resistance

Polypropylene and is unaffected by the chemicals which normally exist in soils.

Biological resistance

Polypropylene and polyethylene are not nutrients for micro-organisms and do not provide nourishment for animals & insects.

UV exposure

Fiberweb Geosynthetics' products are delivered to site in polyethylene wrapping to protect against the effects of ultra-violet radiation. It is recommended that the products remain wrapped until their installation. Once unwrapped, the products should be completely covered with fill within 14 days to avoid exposure to UV radiation.

Versions of most products can be manufactured with enhanced UV performance by incorporating stabilisers.

These versions carry the suffix UV.

The remaining properties are identical to the corresponding standard grade.

Adequate precautions should always be taken to protect all products from UV radiation to achieve the stated durability.

Notes:

1. 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.
2. 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 Fiberweb Geosynthetics' Technical Support.

As part of its continual improvement process Fiberweb Geosynthetics Ltd reserve the right to change the properties listed on this data sheet without prior notice.

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