

Pond Liner Protection Geotextile

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Terram Pond Liner Protection Geotextile (PPG) is a nonwoven geotextile material manufactured from UV stabilised, high tenacity, virgin polypropylene fibres that have been mechanically and thermally bonded. This unique manufacturing process results in a malleable and durable geotextile specifically designed to protect impermeable geomembrane pond liners.

Applications

- Protection of geomembrane (HDPE, PVC, etc.) or any other pond liners membrane.
- Separation of pond liner from subgrade soils to avoid damage.
- Protection of attenuation tank impermeable membranes to avoid damage to the membrane during backfill.



Features & Benefits



Excellent long-term durability

Manufactured from inert high tenacity virgin polypropylene fibers.



High static & dynamic puncture resistance

Protects against damage during installation.



Strength & performance

Random oriented web provides consistent strength and performance in all directions.



High elongation at break

Maintains separation function under load.



Lightweight & easy to handle

Reduces installation time and labour costs.



High resistance

To chemicals, microorganisms, and common pond environment elements.



100% Manufactured in the UK

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A Magnera Brand

PROPERTIES	Test Method	Unit	MEAN VALUE				
			PPG 150 White	PPG 200 White	PPG 250 White	PPG 250 Black	PPG 275 Black
MECHANICAL							
Tensile Strength	EN ISO 10319	kN/m	11	15	17	17	20
Tensile Elongation	EN ISO 10319	%	80	80	80	80	80
CBR Puncture Resistance	EN ISO 12236	N	1500	2200	2800	2800	3100
Areal Density	EN ISO 9864	gm ²	150	200	250	250	275
DURABILITY							
Weathering (UV Exposure)	EN ISO 12224	Days	30	30	30	30	30
Combined ageing (Oxidation, temperature & moisture)	EN ISO 13438	Service Life (Years)	100	100	100	100	100
MATERIAL DIMENSION							
Standard Roll Length		m	200	60	200	200	50
Standard Roll Width		m	2	2	2	2	2
Maximum Roll Width		m	6	6	6	6	6
Gross Roll Weight (Nominal)		kg	60	24	100	100	27.5

Packaging & Identification

Terram pond liner protectors are supplied on cardboard cores and wrapped in Polyethylene sheeting with identification labels in accordance with ISO 10320.

Storage

The rolls of geotextile 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 pond liner protectors 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 is for lifting guidance only, it does not form part of quality control procedures.

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.