

PRODUCT DATA SHEET**GRD8**

GRD8 is a nominal 8mm rigid compression cell multi-flow drainage layer with mechanically fixed 105g/m² filtration layer supplied by Green Roofers Ltd. The board is a drainage geocomposite with an internal HDPE dimple core combined with one filter geotextile.

FILTER GEOTEXTILE (POLYPROPYLENE)

Weight	EN ISO 9864	g/m ²	100	+/- 10
Tensile Strength MD/CMD	EN ISO 10319	kN/m	6/6	-1
Elongation at Max Load	EN ISO 10319	%	55/60	+/- 30
CBR Puncture Resistance	EN ISO 12236	N	1000	- 15
Cone Drop Test	EN ISO 13433	mm	38	+ 6
Water Permeability	EN ISO 11058	mm/s	100	- 40
Opening Size	EN ISO 12956	Micron	95	+/- 35

DRAINAGE (HDPE)

Weight	EN ISO 9864	g/m ²	500	+/- 5
Width		M	2-4	+/- 3%

GEOCOMPOSITE

Weight	EN ISO 9864	g/m ²	600	+/- 50
Thickness at 2 kPa	EN ISO 9863-1	mm	7.5	+/- 1
Tensile Strength MC/CDM	EN ISO 10319	kN/m	10/10	- 2
Elongation at Max Load	EN ISO 10319	%	50/55	+/-15
Compression Resistance	-	kN/m ²	200	+/- 30

HYDRAULIC PERFORMANCE

Plane Flow Cap MD 20kPa, S.	EN ISO 12958	L (m-s)	1,65	+/-0,2
Plane Flow Capacity	EN ISO 12958	L (m-s)		20%
Hydraulic Gradient	Contact	I = 0,04	i = 0,10 0,100,1 0	i = 1
Load 20kPa	S/R	0,30	0,45	1,65
Load 50kPa	S/R	0,20	0,35	1,30

Load 100kPa	S/R	0,15	0,20	0,80
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s/s contact soft/soft S/R contact soft/rigid

DURABILITY

Forecast minimum durability (natural soils $4 < \text{pH} < 9$ and $T < 25^{\circ}\text{C}$) % years

Standard Dimensions

Width	m	2	+/-3%
Length	m	20	+/-2%
Rolls / Pallet	No.	6	

STANDARDS AND CERTIFICATION

Main regulatory

- EN 13252: Geotextiles and geotextile-related products.
Characteristics required for use in drainage systems.

CE marking

- In accordance with standard EN 13252 for all high-density polyethylene products.
- AENOR marking granted to DANODREN JARDÍN, in accordance with standard EN 13252.

Quality management

Company registration BUREAU VERITAS according to EN ISO 9001

Environmental management

Company registration BUREAU VERITAS according to EN ISO 14001

For more information or guidance please use the contact details as shown below. The information given in this data sheets is accurate to the best of our knowledge, however our commitment to continuous improvement necessitates that product improvement may change certain items. No guarantee or liability can be drawn from the information mentioned herein.

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