

Product Data Sheet

Grey2Green 20mm Drainage Board with bonded Filter Fleece - DRRD20-1

Technical Data

	Test	Unit	Mean Values		
Mechanical Properties - Geocomposite					
Compressive Strength	EN ISO 25619-2	kPa	115		
Tensile Strength (MD/CMD)	EN ISO 10319	kN/m	17		
Static Puncture	EN ISO 12236	kN	2.6		
Hydraulic Properties - Geotextile					
Water permeability v_{H50}	EN ISO 11058	l/(m ² ·s)	100		
Apparent opening size	EN ISO 12956	µm	80		
Hydraulic Properties - Geocomposite					
Water flow capacity in the plane (rigid/rigid)	EN ISO 12958	l/(m ² ·s)	(i=1)	(i=0.5)	(i=0.1)
at 20kPa			10.0	8.0	5.0
at 100kPa			9.0	6.0	3.5
at 200kPa			5.0	2.0	1.0
Water Storage Capacity		l/m ²	4.0		
Water flow through perforations	EN ISO 11058	l/(m ² ·s)	24.0		
Physical Properties					
Thickness at 2kPa	EN ISO 9836-1	mm	21		
Standard Colour			Black		
Perforations per m ²			49		
Perforations diameter		mm	10		
Polymer - Cuspate			HDPE		
Polymer - Textile			PP		
Dimensions					
Standard roll length		m	50		
Standard roll width		m	0.97		
Approximate roll weight		kg	60		

System Considerations

- Suitable for use on all green roof systems and Podium systems.
- Provides drainage, water storage and filtration.
- Butted together with geo-textile filter fleece overlapping abutments.
- Resistant to root penetration and to chemicals.



Specification Description

Rigid drainage board manufactured from HDPE. Combined function as a water-retention, drainage and filtration layer. Rigid sheet with integrated Polypropylene filter layer. Studded HDPE sheets contains perforations to drain surplus water and high capacity dimples (height c.20mm) for water retention. High compressive strength (115kPa). Delivery and installation according to Grey2Green instruction. Product arrives in two different sizes, 48.5 m² and 24.25 m².