

DECKDRAIN S1200/NW8



PRODUCT DATA SHEET

Deckdrain 1200S/NW8 is a geocomposite drainage layer comprising a selected high performance single cusped HDPE (High Density Polyethylene) drainage core with a non-woven geotextile filter thermally bonded to the one side. The geotextile filter has a flap that extends beyond the core on one edge. The product is practically impermeable on one side. It is used as an engineered drainage layer in structural applications, its major areas of use being behind retaining structures, on roof decks and in subsurface works.

PROPERTIES

GEOTEXTILE

Type	Non-woven needle punched & heat-treated long staple			
Material	PP (Polypropylene)			
Thickness at 2 kPa	(mm)	1.2	±20%	EN ISO 9863-1
Tensile strength MD/CD	(kN/m)	9.5 / 9.5	-13%	EN ISO 10319
Pore Size O90	(µm)	120	±30%	EN ISO 12956
Static puncture resist (CBR)	(N)	1 600	-20%	EN ISO 12956
Dynamic perf. cone drop	(mm)	32	+20%	EN ISO 13433

GEOCOMPOSITE

Thickness at 2 kPa	(mm)	12.0	±10%	EN ISO 9863-1
Mass per unit area	(g/m ²)	1070	approx.	EN ISO 9864
Tensile strength MD / CD	(kN/m)	18 / 15	-10%	EN ISO 10319
Elongation MD / CD	(%)	45 / 45	nominal	EN ISO 10319
CBR puncture resistance	(N)	2 300	-20%	EN ISO 12236
Perpendicular Water Inflow	(dimpled side only)			
Water flow at 50mm head	(l/m ² /s)	103	±30%	EN ISO 11058
At 2 kPa permeability (coeff)	(m/s)	2.5 x 10 ⁻³	±30%	EN ISO 11058
Breakthrough head	(mm)	0		Nominal

In-plane water flow MD/CD		HG = 1.0	HG = 0.1	Hydraulic Gradient
At 20 kPa pressure	(l/m.sec)	4.25 -35%	1.25 -35%	EN ISO 12958
At 100 kPa pressure	(l/m.sec)	3.20 -35%	0.85 -35%	EN ISO 12958
At 200 kPa pressure	(l/m.sec)	1.80 -35%	0.45 -35%	EN ISO 12958

With soft foam contact surfaces to simulate textile intrusion into core due to soil pressure

Resistance to weathering	To be covered in 28 days	EN 12224
Resistance to Chemicals	Excellent	EN 14030
Design Life	120 years (Manufacturers declaration)	

PRODUCT DIMENSIONS

Standard Roll Dimensions	1.1m x 50m or 2.2m x 25m. Other sizes on request
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NOTES

- The values given are indicative and correspond to nominal results obtained in the manufacturer's laboratories and testing institutes.
- In line with our policy of continuous improvement, the right is reserved to make changes without notice at any time.
- Unless otherwise stated allowable tolerances are ±10% of the typical value. The tolerance on roll length is ±1.5% and on roll width is ±1.0%.
- Due to range of products, interfaces with other products and loading conditions, only selected testing has been done on creep and protection efficiency.

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