

Pozidrain 4S250D/NW8

GEOSYNTHETIC SOLUTIONS **



Fibertex
SOUTH AFRICA

POZIDRAIN 4S250D/NW8 is a geocomposite drainage layer comprising a high performance second generation single cusped HDPE (High Density Poly Ethylene) core with a geotextile filter thermally bonded on both sides. The textile filters have a flap extending beyond the core on both edges. The major application is its use instead of the stone drainage layers in landfill containment systems.

SPECIFICATIONS

Geocomposite:					
Thickness at 2kPa	(mm)	5.8	±10%	EN ISO 9863-1	
Mass per unit area	(g/m ²)	760	Approx.	EN ISO 9864	
Tensile Strength (MD/CD)	(kN/m)	24/19	-10%	EN ISO 10319	
Elongation at break (MD/CD)	(%)	45/45	Nominal	EN ISO 10319	
CBR puncture resistance	(N)	3 700	-20%	EN ISO 12236	
<u>Perpendicular Water Inflow</u>		(Dimple Side Only)			
Water flow at 50mm head	(l/m ² .sec)	103	±30%	EN ISO 11058	
At 2kPa permeability (<i>coefficient</i>)	(m/s)	2.5 x 10 ⁻³	±30%	EN ISO 11058	
Breakthrough head	(mm)	0		BS 6906 part 3	
<u>In-plane water flow</u>		<u>HG = 1.0</u>		<u>HG = 0.1</u>	
At 20 kPa pressure	(l/m.sec)	0.95	±0.15	0.25	±0.05
At 100 kPa pressure	(l/m.sec)	0.75	±0.15	0.20	±0.05
At 200 kPa pressure	(l/m.sec)	0.60	±0.15	0.15	±0.05
With soft foam contact surfaces to simulate textile intrusion into the core due to soil pressure.					
Resistance to weathering		To be covered in 14 days			EN ISO 12224
Resistance to Chemicals		Excellent			EN ISO 14030
Design life		120 years (manufacturers declaration)			
Geotextile Properties:					
Thickness at 2kPa	(mm)	1.2	±20%	EN ISO 9863-1	
Tensile Strength (MD/CD)	(kN/m)	9.5/9.5	-30%	EN ISO 10319	
Pore Size O _{90%}	(micron)	120	±30%	EN ISO 12956	
CBR puncture resistance	(N)	1 600	-20%	EN ISO 12236	
Dynamic perforation cone drop	(mm)	32	±20%	EN ISO 13433	
Type & Material	Non-woven needle-punched and heat treated long staple fibre polyethylene				
Product Dimensions:					
Standard Roll Dimensions		4.4m x 110m. Other sizes available on request.			

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.
- The tolerance on roll length is 1.5% and on roll width is 1.0%; in multi-core products this may manifest itself between core elements.
- Guidance on interface shear strength, creep and certain other parameters is available. Site specific tests are strongly recommended.
- Final determination of the suitability of any information is the sole responsibility of the user. FGA will be pleased to discuss the use of this or any other product but responsibility for selection of a material and its application in any specific project remains with the user.
- Please refer to separate sheets for fixing instructions.
- E&O.E

The information contained in this publication is provided in good faith and to the best of our knowledge is true and accurate.
Fibertex South Africa reserves the right to make technical modifications to their products without notice.



KZN: (T) +27 (0)31 736 7100
(E) salesza@fibertex.com

GAUTENG: (T) +27 (0)11 965 0205
(E) tenders@geotextilesafrica.co.za

W CAPE: (T) +27 (0)21 701 3569
(E) adminct@geotextilesafrica.co.za

www.fibertex.com / www.geotextilesafrica.co.za

** GEOTEXTILES • GEOGRIDS • SUBSOIL DRAINAGE PIPE & FITTINGS • GEOCELLS • COMPOSITE DRAINAGE SYTEMS • GABIONS & MATTRESSES
• CUSPATED SHEETS • GEOBAGS • GCLs • GEOMEMBRANE