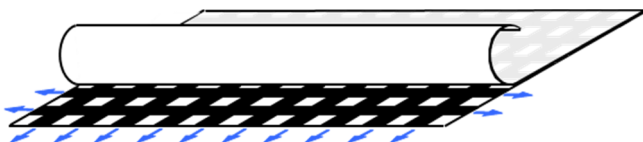


POZIDRAIN G is a geocomposite drainage and protection layer comprising a cusped HDPE drainage lattice embedded between two layers of medium weight non-woven filter/protection geotextile. The lattice members are 48mm wide at 128mm centres and the textile filters have a flap that extends beyond the cores on opposite edges. The composite provides protection and equal drainage capacity through the longitudinal and cross members. This gives the ability for flow to transfer from one member to another and therefore enable continuity of flow across longitudinal joints. The major application of Pozidrain G is for sub-surface drainage and gas venting on the slopes of landfill caps.



Elements of Pozidrain G are Patent protected.

Geocomposite Properties		G4SD	G6SD	G7SD		
Thickness at 2kPa ⁽²⁾	(mm)	5.8	7.0	8.8	±10%	EN ISO 9863-1
Mass per unit area	(g/m²)	560	610	730	nominal	EN ISO 9864
Tensile strength MD / CMD	(kN/m)	20 / 19	20 / 19	20 / 19	-15%	EN ISO 10319
Elongation at peak MD / CMD	(%)	45 / 45	45 / 45	45 / 45	nominal	EN ISO 10319
CBR puncture resistance ⁽²⁾	(N)	3 200	3 200	3 200	-20%	EN ISO 12236
Dynamic perforation cone drop ⁽²⁾	(mm)	16	16	16	+20%	EN ISO 13433
<u>In-plane water flow MD and CMD</u>	<u>HG 1.0</u>					<u>Hydraulic gradient</u>
at 20kPa confining pressure	(l/m·s)	0.30	0.60	1.00	-25%	EN ISO 12958
at 100kPa confining pressure	(l/m·s)	0.18	0.35	0.60	-25%	EN ISO 12958
<u>In-plane water flow MD and CMD</u>	<u>HG 0.1</u>					<u>Hydraulic gradient</u>
at 20kPa confining pressure	(l/m·s)	0.08	0.15	0.25	-25%	EN ISO 12958
at 100kPa confining pressure	(l/m·s)	0.04	0.08	0.12	-25%	EN ISO 12958
with soft foam contact surfaces to simulate textile intrusion into the 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 (manufacturer’s declaration)				
Geotextile Properties						
Pore size O ₉₀	(µm)	120	120	120	±30%	EN ISO 12956
Water flow at 50mm head	(l/m²·s)	103	103	103	±30%	EN ISO 11058
Breakthrough head	(mm)	0	0	0	nominal	
Type and material	Non-woven needle-punched and heat-treated long staple fibre polypropylene					
Product Dimensions						
Standard roll dimensions		4.4 m standard width. Please consult ABG for roll lengths and other widths.				

Notes

- The values given are indicative and correspond to nominal results obtained in our laboratories and testing institutes. In line with our policy of continuous improvement the right is reserved to make changes without notice at any time.
- Thickness value applies over core lattice members. CBR and cone drop values are for textile only; the contribution of the core is ignored.
- 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. ABG 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.