



POLYSTUOIA 20 **POLYSTUOIA 20 L**

POLYSTUOIA 20 and POLYSTUOIA 20 L are geocomposites for the drainage of foundations, roof gardens, tunnels, man-made reservoirs and for the protection of waterproofing systems.



Guaranteed Quality
UNI EN ISO 9001:2008 and
UNI EN ISO 14001:2004



Polyglass is a member of
the Green Building Council



Adds value!

TECHNICAL DESCRIPTION

POLYSTUOIA 20 and POLYSTUOIA 20 L are geocomposites comprising two UV-stabilized, needle-punched polypropylene staple-fibre filter geotextiles with a 3-dimensional drainage structure sandwiched between them made up of polypropylene monofilaments. The two geotextiles are heat bonded to the drainage core using a continuous process. The POLYSTUOIA 20 and POLYSTUOIA 20 L drainage core's high void ratio is effective in draining away water, while the properties of the polypropylene textiles successfully separate the soil from the drainage structure and filter the water inside. POLYSTUOIA 20 and POLYSTUOIA 20 L meet the requirements of standard EN 13252, drainage systems.

WHERE TO APPLY

POLYSTUOIA 20 and POLYSTUOIA 20 L are used as drainage layers, laid either vertically or horizontally, in the construction of foundations, roof gardens, tunnels and man-made reservoirs. They also act as a protective layer when laid over synthetic waterproofing membranes and polymer bitumen membranes.

HOW TO APPLY IT

POLYSTUOIA 20 and POLYSTUOIA 20 L are laid loose, laying out the rolls so that they line up perfectly with the selvedge on the filter geotextile overlapping. When installing on vertical surfaces, you will need to use suitable mechanical fixing.

TECHNICAL CHARACTERISTICS

		POLYSTUOIA 20	POLYSTUOIA 20 L
	WIDTH	2,40 m (±3%)	
	LENGTH	20 m (±2%)	
	MATERIAL	Polypropylene	
EN 9864	TOTAL WEIGHT	850 gr/m ² (±15%)	700 gr/m ² (±15%)
EN 9863-1	THICKNESS AT 2 kPa	20 mm (±20%)	20 mm (±20%)
EN 9864	GEOTEXTILE WEIGHT	100 gr/m ² (±15%)	100 gr/m ² (±15%)
EN 10319	TENSILE STRENGTH MD/CMD	13/13 kN/m (-2 kN/m)	14/14 kN/m (-2 kN/m)
EN 10319	ELONGATION AT MAX. LOAD MD/CMD	80/80 kN/m (±25%)	80/80 kN/m (±25%)
EN 12958	IN-PLANE FLOW CAPACITY HORIZONTAL (M/R; 20 kPa; i=0,04)	0,85 l/m-s (-20%)	0,5 l/m-s (-20%)
EN 12958	IN-PLANE FLOW CAPACITY VERTICAL (M/R; 20 kPa; i=1)	4 l/m-s (-20%)	3,3 l/m-s (-20%)
EN ISO 13438	RESISTANCE TO OXIDATION	Predicted to be durable for a minimum of 25 years in natural soils with 4<pH<9 and soil temperature <25 °C.	
EN 12224	RESISTANCE TO WEATHERING	The geocomposite must be covered within 14 days of installation.	

MD= machine direction; CMD= cross-machine direction

PACKAGING AND STOCKING

PACKAGING Rolls to 48 m². N° 4 rolls per pallet.

SAFETY NORMS

Polystuoa 20 and Polystuoa 20 L are items and according to current European regulations (EC Reg. 1906/2007-REACH) do not require a safety data sheet to be compiled.



Adds value!

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