

FINESSE ROOFDRAIN 25SRXTg consists of a root and water permeable geotextile filter, thermally bonded on the upper flat side of a perforated cusped drainage core of recycled HDPE (High Density Polyethylene). It is primarily intended for use under thin soil layers where the plant roots can reach down to the water in the core reservoirs. The core is perforated to allow the excess rainwater to flow into the underside and away along the **ROOFDRAIN** to the outlets. Its major application is in extensive roof garden drainage where **ROOFDRAIN** provides a lightweight drainage layer and water reservoir to sustain plant growth.

GEOTEXTILE

Type		Non woven needle punched & heat treated long staple fibre	
Material		Polypropylene	
Mass / unit area	(g/m ²)	125	BS EN 965
Thickness at 2kPa	(mm)	1.2	BS EN 964-1
Breakthrough head	(mm)	0	BS 6906 (3)
Chemical resistance		Highly resistant to all common chemicals	

CORE

Carbon black content	(%)	0.8-2.5	ASTM D1603
Type		Single Cusped (Dimpled)	
Material		recycled HDPE (High Density Polyethylene)	
Mass/unit area	(g/m ²)	1350	BS EN 965
Impact resistance		Excellent (even at low temperatures)	

COMPOSITE

In-plane flow at 20kPa pressure			
at HG = 1.0	(l/m.sec)	12	EN ISO 12958
at HG = 0.1	(l/m.sec)	4.3	EN ISO 12958
at HG = 0.01	(l/m.sec)	1.2	EN ISO 12958
Water flow normal to plane	(l/m ² .sec)	8	EN ISO 11058
Thickness at 2kPa	(mm)	26.1	BS EN 964-1
Tensile strength	(kN/m)	18 / 17	EN ISO 10319
Elongation	(%)	60 / 30	EN ISO 10319
CBR puncture resistance	(N)	2600	EN ISO 12236
Water reservoir volume ⁽⁶⁾	(l/m ²)	7	
Mass/unit area (dry)	(g/m ²)	1505	BS EN 965
Mass/unit area (saturated)	(g/m ²)	8700	BS EN 965
Life expectancy	(yrs)	120 years in pH 4 to 9 at 25°C	
Working temperature	(°C)	-20° to 80°	
Chemical resistance		Excellent resistance to common chemicals	EN 14030
Resistance to microbes		No significant effect	EN 12225
Compatibility with waterproofing membranes		Fully compatible. All components compatible with potable water	
Health, safety, environment		INERT. No known health hazard. No precautions necessary	

NOTE

- (1) The geotextile is bonded to the core to prevent migration of growing media and other fines into the drainage passage. The geotextile is not intended as a root barrier; a root barrier textile is available if required.
- (2) 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.
- (3) Unless otherwise stated normal tolerances are $\pm 10\%$ of the typical value. The tolerance on roll dimensions is -2% .
- (4) The above figures have been obtained from statistical interpretation of test results.
- (5) Non-load bearing walls can be built off Roofdrain
- (6) Water retention within the soil 20 – 40 litres (dependent on thickness of soil)
- (7) 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.
- (8) Refer to separate sheets for fixing instructions and packing dimensions.