

FINESSE ROOFDRAIN 20SRXTg consists of a perforated cusped HDPE (High Density Polyethylene) core with a geotextile filter, thermally bonded on the upper “flat” side. 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.

The core of **ROOFDRAIN 20SRXTg** is formed using recycled polymer.

GEOTEXTILE

Type	Non woven long staple fibre needle punched & heat treated		
Material	Polypropylene		
Mass / unit area	(g/m ²)	125	BS EN 965
Water flow at 50mm head	(l/m ² .sec)	120	EN ISO 11058
Breakthrough head	(mm)	0	BS 6906 (3)
Pore size O ₉₀	(µm)	110	EN ISO 12956
Static Puncture (CBR)	(N)	1600	EN ISO 12236
Chemical resistance	Highly resistant to all common chemicals		

ROOFDRAIN COMPOSITE

In-plane water flow at 20kPa pressure and HG = 1.0	(l/m.sec)	12.5	EN ISO 12958
Thickness at 2kPa	(mm)	20.7	BS EN 964-1
Tensile strength	(kN/m)	14	EN ISO 10319
Elongation	(%)	50	EN ISO 10319
CBR puncture resistance	(N)	1750	(indicative) EN ISO 12236
Compressive Strength grade	(kPa)	150	Method SS008
Water reservoir volume ⁽⁷⁾	(l/m ²)	7	
Mass/unit area (dry)	(g/m ²)	1425	BS EN 965
Mass/unit area (saturated)	(g/m ²)	8500	(indicative) 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 intrusion into and blockage of the drainage passage under the action of pressure of fill material. The textile is root-permeable; if a root barrier is required alternative textiles can be substituted or an additional layer of **ROOTEK** should be laid.
- (2) The values given are indicative and correspond to nominal results obtained in our laboratories and testing institutes. The above figures have been obtained from statistical interpretation of test results. In line with our policy of continuous improvement the right is reserved to make changes without notice at any time.
- (3) Unless otherwise stated allowable tolerances are ± 10% of the typical value. The tolerance on roll dimensions is 1%.
- (4) Compressive strength is determined in accordance with the Geospec test laboratory in-house method SS008 which is based on ASTM 1621 taking account of the nature of the product tested
- (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.