

FINESSE ROOFDRAIN 60S+RX consists of a perforated, single cusped HDPE (High Density Polyethylene) core with water retention reservoirs. After installation on site **ROOFDRAIN** is filled with light weight drainage aggregate and over-laid with a non-woven geotextile. It is primarily intended for use under thin soil layers where the plant roots can reach down to the water in the core reservoirs. Excess rainwater escapes through the perforations in the sheets of **ROOFDRAIN** to flow into and along the underside channels of the **ROOFDRAIN** and away 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 and contribute to SUDS attenuation of rainfall run-off.

ROOFDRAIN 60S+RX is usually supplied in flat sheets 2.68m by 0.92m.

GEOTEXTILE

A range of geotextiles may be used in conjunction with the core. The standard geotextile, which is supplied separately in rolls 4.5 m by 100m, has the following properties. This textile is water and root permeable. (Root impermeable, water permeable textile is also available)

Type	Terrex T110	Non woven long staple fibre needle punched & heat treated	
Material		Polypropylene	
Water flow at 50mm head	(l/m ² /s)	125	EN ISO 11058
Breakthrough head	(mm)	0	BS 6906 (3)
Pore size O ₉₀	(µm)	90	EN ISO 12956
Static puncture resist CBR	(N)	1400	EN ISO 12236
Chemical resistance		Highly resistant to all common chemicals	

ROOFDRAIN

In-plane water flow at 2kPa pressure and HG = 1.0	(l/m.sec)	38	EN ISO 12958
Thickness at 2kPa	(mm)	60	BS EN 964-1
Tensile strength	(kN/m)	20	EN ISO 10319
Elongation	(%)	50	EN ISO 10319
Compressive strength	(kPa)	150	Method SS008
Water reservoir volume ⁽⁶⁾	(l/m ²)	27	
Water reservoir volume ⁽⁶⁾	(l/m ²)	11	(when filled with lightweight drainage aggregate)
Mass/unit area (dry)	(g/m ²)	1900	BS EN 965
Mass/unit area (saturated)	(kg/m ²)	29	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 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.
- (2) Unless otherwise stated allowable tolerances are ± 10% of the typical value. The tolerance on sheet size is 1%.
- (3) The above figures have been obtained from statistical interpretation of test results.
- (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.