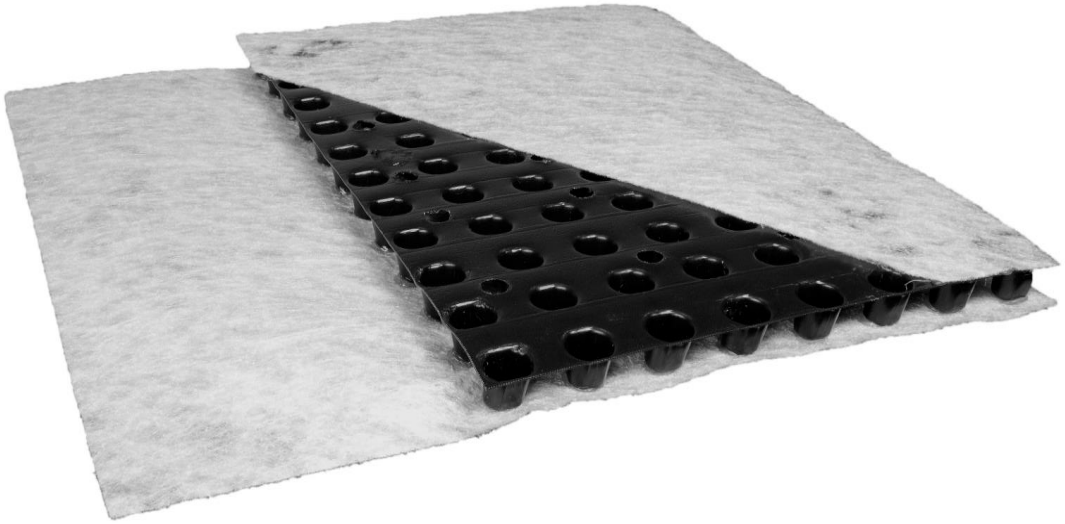

SS Roofdrain 12mm

SS ***ROOFDRAIN*** makes extensive use of recycled polymers in its construction

Reservoir/Drainage board specifically designed for green roofs.

One product – 5 functions

Drainage
Water Attenuation 1.5 ltrs m2
Protection of Waterproofing Membrane
Filtration
Separation

Roofdrains perforated HDPE core allows both water attenuation and drainage. In addition the SS Roofdrain is supplied as standard with an integral moisture retention/protection fleece on the underside and a filter/separation fleece pre-bonded to the upper face.

FINESSE ROOFDRAIN 12SXSSg consists of a perforated cuspated HDPE (High Density Polyethylene) core with a geotextile filter thermally bonded on both sides. 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 long staple fibre needle punched & heat treated	
Material		Polypropylene	
Mass / unit area	(g/m²)	120	EN ISO 9864
Water flow at 50mm head	(l/m².sec)	94.5	EN ISO 11058
Breakthrough head	(mm)	0	BS 6906 pt 3
Pore size O_{90}	(µm)	115	EN ISO 12956
Static puncture resist (CBR)	(N)	1 600	EN ISO 12236
Dynamic perf cone drop	(mm)	32	EN ISO 13433
Chemical resistance		Highly resistant to all common chemicals	

ROOFDRAIN COMPOSITE

Hydraulic gradient =		10%	3%	1%		
In-plane water flow at 20kPa	(l/m.sec)	1.60	0.80	0.55		EN ISO 12958
based on structural boundary conditions as simulated by **HARD platen** testing						
Thickness at 2kPa	(mm)	13.2				EN ISO 9863-1
Tensile strength (MD/CD)	(kN/m)	27 / 19				EN ISO 10319
Elongation at peak (MD/CD)	(%)	45 / 40				EN ISO 10319
CBR puncture resistance	(N)	3 700			*(indicative)*	EN ISO 12236
Water reservoir volume[(6)]	(l/m²)	1.5				
Mass/unit area (dry)	(g/m²)	1 140				EN ISO 9864
Mass/unit area (saturated)	(g/m²)	2 650			*(indicative)*	EN ISO 9864
Life expectancy	(yrs)	120 years in pH 4 to 9 at 25ºC				
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				
Roll dimensions	(m)	1.1 x 50				