



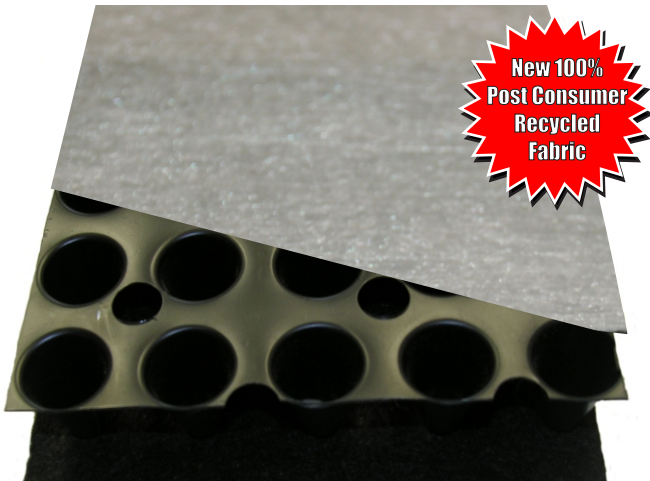
J·DRAIN[®] GRS

Green Roof Drainage System

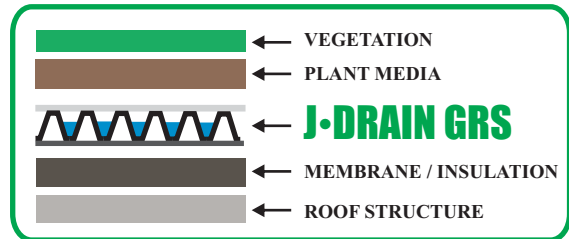
APPLICATIONS:

GREENROOFS

PLANTERS



**New 100%
Post Consumer
Recycled
Fabric**



Advantages:

- ◆ Easy install / No loose fabrics
- ◆ Pre-assembled drain system
- ◆ 100% Post-consumer recycled filter fabric (ECO)
- ◆ Root, mildew & rot resistant
- ◆ Water retention chambers (1.1 gal/10 sq. Ft.)
- ◆ Reduces weight of greenroof (no gravel necessary)
- ◆ Low Cost
- ◆ Filters fine particles

Product Description:

J-DRAIN GRS consists of a impermeable polymeric sheet cusped under heat and pressure to form a high flow dimpled drainage core. The core is perforated, then bonded to top root resistant filter fabric and bottom protection fabric, specifically designed for Green roof applications. The top root resistant filter fabric prevents roots from affecting the efficiency of the drainage/aeration layer and retains soil or other fine particles from being washed away and allows water to pass into the drainage core. The bottom protection fabric safeguards the waterproofing membrane. The core is installed dimple side down to allow water retention. The excess water is collected and conveyed to a proper collection system..

Physical Properties

Core		Fabric		
Compressive Strength (ASTM D-1621)	9,500 psf 455 kNm2	Fabric Type	ECO (top grey)	Protection (bottom black)
Thickness (ASTM D-1777)	1.0 in. 2.54 cm.	Basis Weight (ASTM D3776)	100 gsm	129 gsm
Flow (ASTM D-4716) Hydraulic gradient = 1	30 gal/min/ft 372 l/min/m	Grab Tensile (ASTM D5034)	75 / 70 lbf	100 lbs
Water Retention	1.1 gal/10 sq ft.	Grab Elongation (ASTM D5034)	40%	60%
		Thickness (ASTM D1777)	.49 mm	1.3 mm
Roll Weight	88 lbs. 38 kgs.	CBR Puncture (ASTM D6241)	238 lbs.	250 lbs.
Roll Width	4 ft. 1.22 meters	Water Flow Rate (ASTM D4491)	250 gal/min/ft ²	140 gal/min/ft ²
Roll Length	50 ft. 15.24 meters			

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