

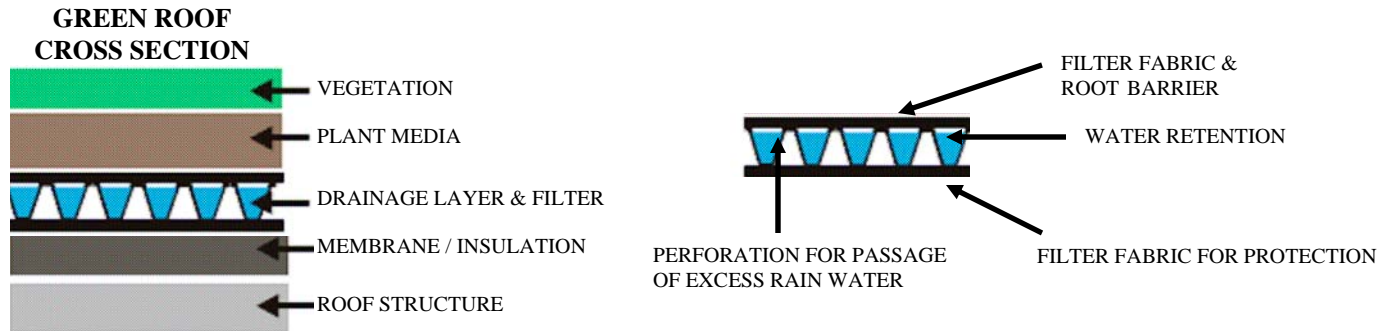


J-DRain GRS

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Green Roof Drainage System

J-DRain GRS is a pre-assembled drainage composite consisting of a high-strength dimpled core and two layers of filter and protection media attached top and bottom. The dimpled core has water retention chambers for storing some of the excess rainwater while allowing excess rainwater to pass through into the roof's collection system. The top filter fabric acts to allow excess water to pass while holding the planting media in place as a root barrier. The bottom layer of fabric acts as a protection media to the roofing membrane. Applications include intensive green roofs, which enable standard landscape components or lawns, planting beds and paving which is supported at roof level. These systems are accessible and normally require high maintenance and irrigation. Applications also include extensive green roofs, which are comprised of lightweight layers on top of roof structures and can tolerate the extreme conditions of temperature, wind and drought.



ROOT BARRIER	TEST METHOD	TYPICAL VALUES
Composition	US EPA #1812-347	Copper Hydroxide
Thickness (Nominal)	ASTM D-5199-99	0.7 mm
Weight	ASTM D-3776	7.4 g/m ²
Coefficient of Permeability	ASTM E-4491	5.1 x 10 cm/sec
DRAINAGE CORE	TEST METHOD	TYPICAL VALUES
Compressive Strength	ASTM D-1621	9500 psf 460 kN/m
Thickness	ASTM D-1777	1.0 in 2.54 cm
Flow @ 3600 psf / Hydraulic Gradient of 1 for 300 hrs	ASTM D-4716	30 gal/min/ft Width
GEOTEXTILE	TEST METHOD	TYPICAL VALUES
Mass per Unit Area	ASTM D-5261	4.0 oz/y ²
Grab Tensile	ASTM D-4632	100 lbs
Puncture	ASTM D-4833	65 lbs
WATER RETENTION	TEST METHOD	TYPICAL VALUES
Standard Deviation	Volume-Gallons/ ft ²	365 x 200 lbs

The above information is to the best of our knowledge accurate, but is not intended to be considered as a guarantee. Any implied warranty for a particular use or purpose is excluded. If the Product does not meet the above properties, and notice is given to US Fabrics, Inc., the product will be replaced or refunded. (1/2009).