

# J-DRain<sup>®</sup> GRS50

## Prefabricated Drainage Composites

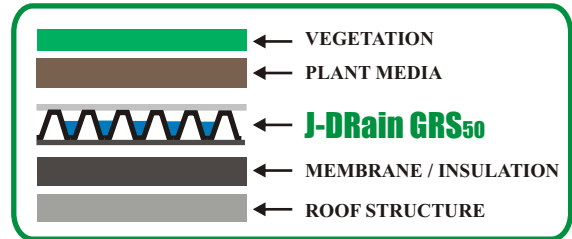
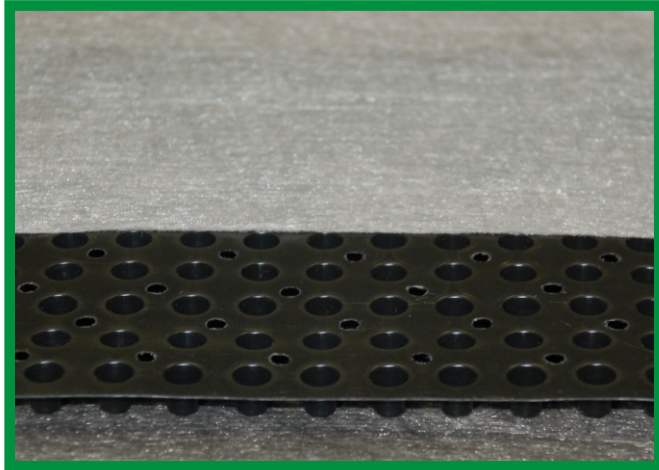


### APPLICATIONS:

GREEN ROOFS  
PLANTERS

### Advantages:

- ◆ Easy Installation
- ◆ Polypropylene core
- ◆ Pre-assembled drain system
- ◆ Ensures drainage efficiency
- ◆ Fabric 100% PCR
- ◆ Rot & Mildew resistant
- ◆ Retains .06 gal/sq. Ft.
- ◆ Low Cost
- ◆ Prevents root penetration into drain layer



### Product Description:

**J-DRain GRS50** consists of a impermeable polymeric sheet cusped under heat and pressure to form a high flow dimpled drainage core. The core is then bonded to two layers of roof resistant filter fabric.

Specifically designed for Green Roof applications. The 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 allowing water to pass into the drainage core. 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

Compressive Strength (ASTM D-1621)	15,000 psf	719 kNm2
Thickness (ASTM D-1777)	.40 in.	1.016 cm.
Flow (ASTM D-4716)	21 gal/min/ft	261 l/min/m
Hydraulic gradient = 1		
Water Retention	.06 gal/sq ft.	
Roll Weight	50 lbs.	22 kgs.
Roll Width	4 ft.	1.22 meters
Roll Length	50 ft.	15.24 meters

#### Root Resistant Fabric

<i>Fabric Type</i>	<i>Top (Grey)</i>	<i>Bottom (Black)</i>
Basis Weight (ASTM D3776)	100 gsm	70 gsm
Grab Tensile (ASTM D5034)	75 / 70 lbf	45 / 39 lbf
Grab Elongation (ASTM D5034)	40%	40%
Thickness (ASTM D1777)	.49 mm	.39 mm
Trapezoidal tear (ASTM D1117)	20 lbf	14 lbf
Water Flow Rate (ASTM D4491)	250 gal/min/ft <sup>2</sup>	290 gal/min/ft <sup>2</sup>

The information contained herein is believed by JDR Enterprises, Inc. to be accurate and is offered solely for the customer's consideration, investigation and verification. Determination of suitability for use is the responsibility of the user.

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