



# J•DRAIN<sup>®</sup>

## Prefabricated Drainage Composites

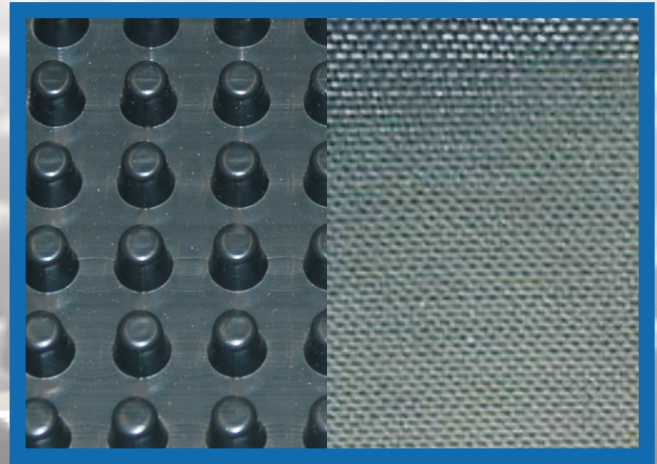
### J•DRAIN<sup>®</sup> 990

#### APPLICATIONS

**UNDER-SLABS**

**PLAZA DECKS**

**SPLIT SLABS**



#### Application

Specifically designed for projects demanding the highest compressive strength and filtration such as split slab, under slab, and plaza decks. Soil is retained while allowing water to pass into the drainage core. The collected water is then conveyed to a proper collection system. Suitable to receive concrete toppings.

#### Product Description

Consists of a heavy duty impermeable polypropylene sheet cusped under heat and pressure to form a high flow dimpled drainage core. The drainage core is chemically resistant and designed for applications where chemical exposure is possible. The core is then bonded to a layer of woven filter fabric. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core.

#### *Core*

#### *Physical Properties*

#### *Fabric*

Compressive Strength (ASTM D-1621)	33,000 psf 1580 kNm <sup>2</sup>
Thickness (ASTM D-1777)	.40 in. 1.016 cm.
Flow (ASTM D-4716)	24 gal/min/ft
Hydraulic gradient = 1	298 l/min/m

Roll Weight	52 lbs.	23 kgs.
Roll Width	4 ft.	1.22 meters
Roll Length	50 ft.	15.24 meters

Flow (ASTM D-4491)	145 gpm/ft <sup>2</sup> 5907 lpm/m <sup>2</sup>
CBR Puncture (ASTM D-6241)	675 lbs. 3,004 N
AOS(EOS) (ASTM D-4751)	40 U.S.Sieve .42 mm
Grab Tensile(ASTM D-4632)	365 x 200 lbs 1,624 x 890 N

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. JDR's Limitations, Limited Warranty, & Disclaimer along with Standard Terms & Conditions apply. See [www.j-drain.com](http://www.j-drain.com) for more info. **Limitations:** J-DRain is resistant to chemicals in normal soil environments. However, some reagents may affect the performance of J-DRain. A JDR representative should be contacted for further information to determine the suitability of use of J-DRain in unusual soil environments. J-DRain should be limited to its exposure to ultra-violet sunlight. J-DRain should be backfilled or covered within seven days of installation. **Disclaimer:** All information, drawings and specifications are based on the latest published information at the time of printing. JDR reserves the right to make changes due to manufacturing improvements and engineering at any time. All physical properties are minimum average roll values (MARV). Standard variations of 10% in mechanical properties and 15% in hydraulic properties are normal.

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