

# J-DRain®

Prefabricated Drainage Composites



## APPLICATIONS:

FOUNDATION WALLS  
 RETAINING WALLS  
 PLANTERS & ROOF GARDENS  
 BRIDGE ABUTMENTS  
 UNDER SLABS

## J-DRain® 400 Series

### J-DRain 400 Series:

Performs a multi-faceted role by providing protection for waterproofing systems and managing subsurface water around building foundations. Soil backfill is retained while allowing water to pass into the drainage system providing hydrostatic relief. Collected water is then conveyed to **J-DRain SWD-6** or **SWD 12** collection systems.

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 a layer of nonwoven 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.

### J-DRain® 400 / 420\*

Maintains a very high flow rate while providing a higher compressive strength for greater depths. A very popular choice for vertical and horizontal single sided drainage applications. Moderate duty.

### J-DRain® 400 XL / 420 XL\*

Designed for extra heavy duty vertical and horizontal applications that demand greater compressive strength and improved filtration for challenging soil conditions. Heavier duty drain core & fabric.

\*420 & 420 XL are identical to 400 & 400 XL with the addition of a membrane protective film on the back side.

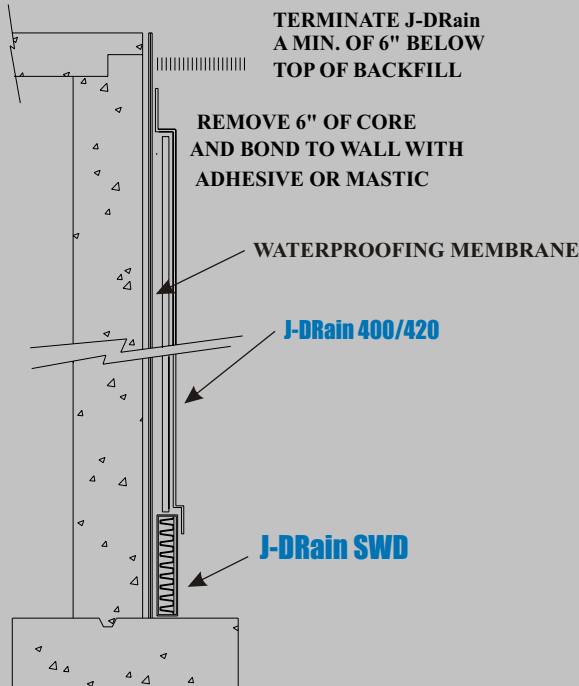
Be sure to visit our website at <http://www.j-drain.com>

# JDR Enterprises, Inc.

292 south main street, suite 200, alpharetta, georgia 30004-1950

# J-DRain®

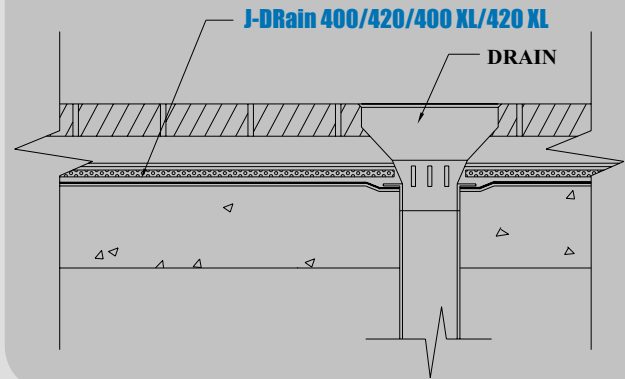
Prefabricated Drainage Composites



## APPLICATIONS:

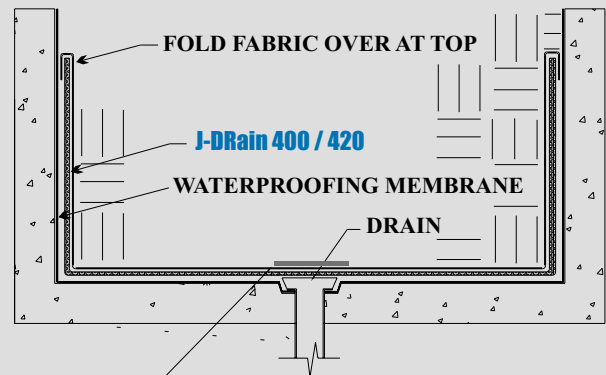
FOUNDATION WALL / RETAINING WALL

## APPLICATION: PLAZA DECKS



## APPLICATIONS:

PLANTERS & ROOF GARDENS



**NOTE:** When using J-DRain 400 & 420 cut and remove drainage core and cover with an aluminum plate as shown.

## Physical Properties

### Core

### Fabric

	400/420	400XL/420XL
Compressive Strength (ASTM D-1621)	15,000 psf (719 kNm <sup>2</sup> )	16,500 psf (790 kNm <sup>2</sup> )
Thickness (ASTM D-1777)	.40 in. (10.16 mm)	.40 in. (10.16 mm)
Flow (Hydraulic gradient =1) (ASTM D-4716)	21 g/min/ft (260 L/min/m)	21 g/min/ft (260 L/min/m)

	400/420	400XL/420XL
Flow (ASTM D-4491)	140 gal/min/ft <sup>2</sup> (5704 L/min/m <sup>2</sup> )	110 gal/min/ft <sup>2</sup> (4482 L/min/m <sup>2</sup> )
Puncture (ASTM D-4833)	65 lbs. (.30 kN)	95 lbs. (.42 kN)
AOS (EOS)	70 U.S. Sieve (.212 mm)	70 U.S. Sieve (.212 mm)
Grab Tensile (ASTM D-4632)	100 lbs. (.45 kN)	160 lbs. (.71 kN)

Roll Length	Roll Width	Roll Weight (approx. lbs.)			
		400	420	400XL	420XL
50 ft (15.24 m)	4 ft (1.22 m)	39	40.5	45	46.5
	6.5 ft (1.98 m)	63	65.5	73	75.5
	8.5 ft (2.59 m)	82	85	95	98

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 Enterprises, Inc.** e-mail [info@j-drain.com](mailto:info@j-drain.com) website: [www.j-drain.com](http://www.j-drain.com)

292 south main street • suite 200 • alpharetta, ga 30004 • 1-800-843-7569 • 770-442-1461 • fax 770-664-7951