

## **J-DRain 100 Series**

J-DRain 100 series has a high strength drainage core that has a needled punched nonwoven filter fabric bonded to one or both sides. J-DRain 100 has filter fabric bonded to one side while J-DRain 102 has filter fabric on both sides of the core. The filter fabric allows water to enter into the core, while filtering out soil, concrete, and grout fines. J-DRain 100 series is engineered to be applied on below grade structures that are 25' and deeper and on horizontal decks that experience vehicular traffic.

**PROPERTY:** Color

**TEST METHOD:** --

**VALUES-Standard:** Black

**VALUES-Metric:** Black

**PROPERTY:** Compressive Strength

**TEST METHOD:** ASTM D-1621

**VALUES-Standard:** 30,000 psf

**VALUES-Metric:** 4.66 kg/cm<sup>2</sup>

**PROPERTY:** Thickness

**TEST METHOD:** ASTM D-1777

**VALUES-Standard:** .25 inches

**VALUES-Metric:** .63 cm

**PROPERTY:** Flow, Q @ 6000 psf & hydraulic gradient of 1

**TEST METHOD:** ASTM D-4716

**VALUES-Standard:** 8 gpm/ft width

**VALUES-Metric:** 99.34 lpm/m width

### **FABRIC**

**PROPERTY:** Weight

**TEST METHOD:** ASTM D-3776

**VALUES-Standard:** 4.5 oz/yd<sup>2</sup>

**VALUES-Metric:** 127.57 g/m<sup>2</sup>

**PROPERTY:** Flow

**TEST METHOD:** ASTM D-4491

**VALUES-Standard:** 205 gpm/ft<sup>2</sup>

**VALUES-Metric:** 8349.62 lpm/m<sup>2</sup>

**PROPERTY:** Mullen Burst

**TEST METHOD:** ASTM D-3786

**VALUES-Standard:** 285 psi

**VALUES-Metric:** 20.06 kg cm<sup>2</sup>

**PROPERTY:** Puncture

**TEST METHOD:** ASTM D-4833

**VALUES-Standard:** 80 lbs

**VALUES-Metric:** 36.28 kg

**PROPERTY:** U.V. Resistance  
**TEST METHOD:** ASTM D-4355  
**VALUES-Standard:** Fully Stabilized  
**VALUES-Metric:** Fully Stabilized

**PROPERTY:** Apparent Opening Size  
**TEST METHOD:** CW-02215  
**VALUES-Standard:** 70-100  
**VALUES-Metric:** 70-100

**PROPERTY:** Grab Tensile  
**TEST METHOD:** ASTM D-4632  
**VALUES-Standard:** 120 lbs  
**VALUES-Metric:** 54.48 kg

**PACKAGING:** Roll Length - 75 ft (22.86 m)  
**WEIGHT:** --

**PACKAGING:** Roll Width - 4 ft (1.21 m)  
**WEIGHT:** 90 lbs (36.24 kg)

**PACKAGING:** Square Ft/Roll - 300 sf (27.66 m<sup>2</sup>)  
**WEIGHT:** --

## **INSTALLATION**

### **VERTICAL**

1. Measure wall height or lift, adding sufficient material for overlapping pipe detail. Unroll J-DRain and cut to length.
2. Peel back fabric from drainage core and remove 4" of core. (Drain core should remain 6-12 inches below backfill.)
3. Glue fabric to wall as shown or tuck fabric under core when using a furring strip. (Furring strip can be removed after backfilling.)
4. Glue adjacent panels at the vertical joints, making sure that fabric overlaps to prevent soil intrusion when backfilling.
5. At drain tile, peel back fabric from drainage core and wrap around drain tile. Tuck excess fabric under core, making sure inner core has direct contact with drain tile.
6. Backfill as soon as possible.

Note: J-DRain can also be applied vertical application. See below for application instructions.

1. Install horizontally in lifts.
2. To ensure filter continuity, glue the overlap fabric from the upper lift to the lower lift.
3. Glue or nail the top of final lift.

Recommended Adhesive: Maxbond Construction Adhesive, H.B. Fuller Co. Plionail, Goodyear Liquid Nails

#### HORIZONTAL

1. Clean horizontal surface of loose debris and unroll J-DRain fabric side up in the direction of maximum slope.
2. Attach J-DRain to the surface with double-sided tape, adhesive or nails that are compatible with waterproofing membranes.
3. For overlaps, place adjacent panels so that the core abut.
4. Secure the fabric overlap at five foot intervals with glue, tape or nails.
- \*5. Join roll ends by peeling back fabric and removing 4" of core.
6. Place end panels so that cores abut, then glue, tape or nail fabric overlap.

\*Note: All core joints must be horizontally in a covered by fabric overlay.

#### **JDR Enterprises, Inc.**

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