

J-DRain 1000 Series

J-DRain 1000 has a high strength drainage core that has a needled punched nonwoven filter fabric bonded to the front side. The filter fabric allows water to enter into the core while filtering out soil, concrete and grout fines. Additionally, there is a thin protective sheet laminated to the back side of the core. This sheet which extends 1" beyond the edge of the core provides protection for soft waterproofing membranes and prevents the intrusion of the membrane into the core. J-DRain 1000 is used to relieve hydrostatic pressure on below grade structures and is also used horizontally to provide optimum drainage for plaza decks and parking structures.

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/cm²

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: 7 gpm/ft width

VALUES-Metric: 72.00 lpm/m width

FABRIC

PROPERTY: Weight

TEST METHOD: ASTM D-3776

VALUES-Standard: 4.5 oz/yd²

VALUES-Metric: 127.57 g/m²

PROPERTY: Flow

TEST METHOD: ASTM D-4491

VALUES-Standard: 205 gpm/ft²

VALUES-Metric: 8349.62 lpm/m²

PROPERTY: Mullen Burst

TEST METHOD: ASTM D-3786

VALUES-Standard: 285 psi

VALUES-Metric: 20.06 kg cm²

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 - 50 ft (15.24 m)

WEIGHT: --

PACKAGING: Roll Width - 4 ft (1.21 m)

WEIGHT: 80 lbs (36.24 kg)

PACKAGING: Square Ft/Roll - 200 sf (18.44 m²)

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, Good-year 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.

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