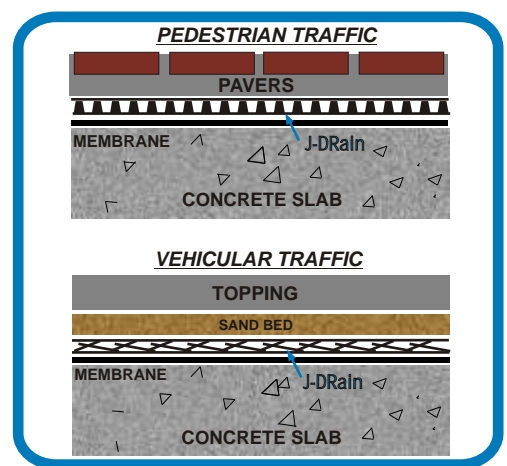
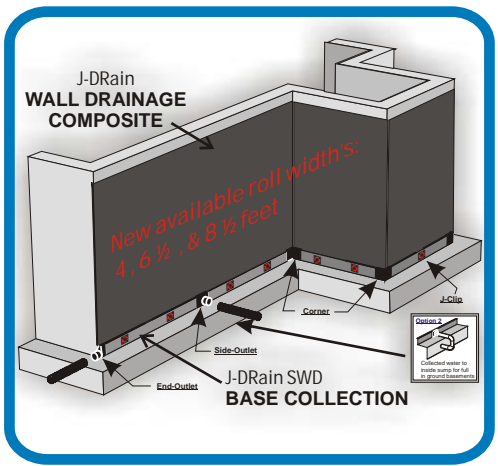


ESR-1901  
**ES**

# J-DRain®

Prefabricated Drainage Composites

Product  
Catalog



# J-DRain Products & Accessories

## DIMPLE CORE SHEET DRAINS



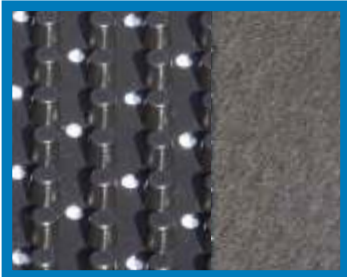
Non-Woven Geotextile

**J-DRain 200/220\***  
[DIMPLE DRAIN CORE /  
NON-WOVEN GEOTEXTILE]

An excellent choice for light commercial and residential construction. Maintains a very high flow rate for shallow depths (less than 20'). Use with [J-DRain SWD-6](#) or [SWD-12](#) Collection System for best results.  
Flow rate: 18 gpm Compression: 11,000 psf

**J-DRain 400/420\***  
[DIMPLE DRAIN CORE /  
NON-WOVEN GEOTEXTILE]

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. Use with [J-DRain SWD-6](#) or [SWD-12](#) Collection System for best results on vertical applications.  
Flow rate: 21 gpm Compression: 15,000 psf



Punched Core

**J-DRain 400XL/420 XL\***  
[H. D. DIMPLE DRAIN CORE /  
H. D. NON-WOVEN GEOTEXTILE]

Designed for extra heavy duty vertical applications that demand greater compressive strength and improved filtration for challenging soil conditions.  
Flow rate: 21 gpm Compression: 16,500 psf

**J-DRain 780**  
[DIMPLE DRAIN CORE / IMPROVED  
COMPRESSIVE STRENGTH & A  
H. D. NON-WOVEN GEOTEXTILE]

Engineered for heavy duty horizontal applications with improved compressive strength and greater filtration properties.  
Flow rate: 23 gpm Compression: 21,000 psf



Woven Geotextile

**J-DRain 500**  
[DIMPLE DRAIN CORE / PUNCHED  
2 SIDED NON-WOVEN GEOTEXTILE]

Designed for use where double sided drainage and high flow rate is needed. Ideal for trench drains, interceptor drains, sloped embankments, and landfill enclosures.  
Flow rate: 21 gpm Compression: 15,000 psf

**J-DRain 700/720\***  
[H. D. DIMPLE DRAIN CORE /  
H. D. WOVEN GEOTEXTILE]

Engineered for heavy duty horizontal applications such as parking decks, split slab, and plaza decks. Very suitable to receive concrete toppings.  
Flow rate: 23 gpm Compression: 21,000 psf

**J-DRain 990**  
[DIMPLE DRAIN CORE / IMPROVED  
COMPRESSIVE STRENGTH & A  
H. D. WOVEN MONOFILAMENT  
GEOTEXTILE]

Specifically designed for projects demanding the highest compressive strength and filtration such as split slab, under slab, and plaza decks. Withstands the abuse of vehicular traffic. Suitable to receive concrete toppings.  
Flow rate: 24 gpm Compression: 30,000 psf



Low Profile

**J-DRain Thin Drain**  
[1/8" ULTRA LOW PROFILE  
DIMPLE DRAIN CORE /  
NON-WOVEN GEOTEXTILE ]

Designed for applications that have a limited "height tolerance". Many indoor and outdoor thin-set applications must maintain these tolerances due to door swings or floor surface matching.  
Flow rate: 7 gpm Compression: 15,000 psf

\* 220, 420, 420XL, & 720 are identical to 200, 400, 400XL, & 700 with the addition of a membrane protective film on the back side

## GEONET CORE



**J-DRain 300/302**  
[VERY HEAVY DUTY GEONET  
DRAIN CORE / NON-WOVEN  
GEOTEXTILE]

This very heavy duty Geonet Composite has long been the choice of Architects and Engineers for the most rigorous and demanding applications requiring heavy duty vehicular traffic. Most suitable for under slab, split-slab, and other demanding applications. 302 provides for two sided drainage with fabric on both sides for applications such as roadways. Flow rate: 9 gpm Compression: 30,000 psf

**J-DRain 1000**  
[VERY HEAVY DUTY GEONET DRAIN  
CORE / NON-WOVEN GEOTEXTILE.  
INCLUDES A MEMBRANE PROTECTION  
FABRIC BONDED TO BOTTOM SIDE]

1000 is a modified version of 302 with the same demanding applications. It has a special heavy grey geotextile bonded to the bottom side for membrane protection.  
Flow rate: 9 gpm Compression: 30,000 psf

# J-DRain Products & Accessories

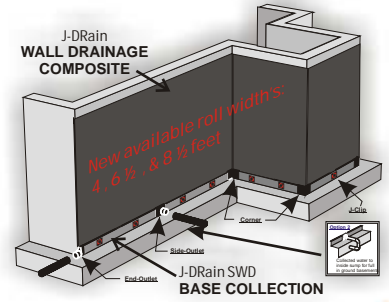
## MODULAR FOUNDATION DRAINAGE & COLLECTION



### J-DRain SWD-6 & 12

J-DRain SWD - 6 & 12 provide a very economical drainage system for retaining & foundation walls. Fittings are used at corners and transitions to pipe for transferring water to daylight or interior sump. Provided in 6" & 12" widths. The base collection system is very suitable to be used with other J-DRain wall drainage composites such as 200 & 400.

ESR-1901  
ES



## GREEN ROOF DRAINAGE



J-DRain GRS & GRS50 perforated dimple core promotes excellent drainage while storing rainwater in dimpled cups for later plant consumption. Special root resistant ECO fabric helps prevent root penetration into the drain layer. Contact our design professionals for design assistance.



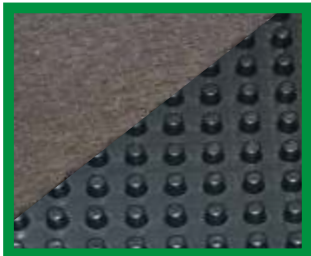
J-DRain 400RB Is another very unique product designed specifically for greenroofs. Special root resistant ECO fabric attached to the dimple side of 400 core. Used primarily in sloped roofs. Again, due to the many design variables, we suggest contacting our design professionals for assistance.



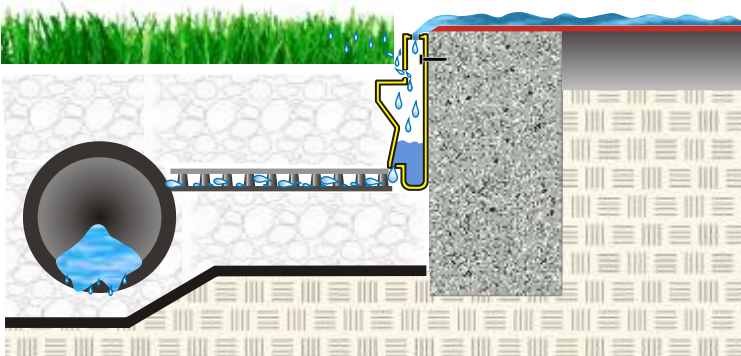
## ATHLETIC FIELD & LANDSCAPE DRAINAGE



J-DRain MVP-6 & 12 are drainage composites for providing drainage in athletic field and landscape applications. MVP-6 is well suited for providing easy to install trench drains by requiring only shallow, narrow trenches and eliminating gravel backfill. Used primarily in landscape, natural turf athletic fields, golf courses and many other applications. MVP-12 is placed horizontally across the synthetic turf fields and playgrounds and sloped to sideline trenches. The amount of gravel backfill is greatly reduced and eliminates trench excavation costs.

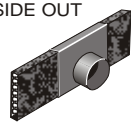
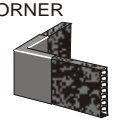
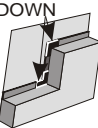



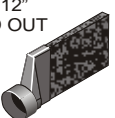
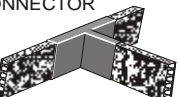





J-DRain Turfcore is designed as a technically advanced drainage for synthetic fields. J-DRain Turfcore eliminates all trenches across the field while speeding up construction and reducing installation costs. J-DRain Turfcore is designed to enhance G-Max performance as well as allowing water to move quickly and effectively to the perimeter drains. This drainage system eliminates any need for costly under field pipes and gravel.



J-DRain TurfEdge is designed to provide drainage for the track, turf, and J-DRainTurfcore or MVP simultaneously and transfers water to J-DRain MVP and then on to the sideline pipe. J-DRain TurfEdge has a built in Turf Nailer and the system is designed with catch basins to keep the channel clean of debris to form a unique and complete system. This system allows the track and field water to drain quickly to help resume quicker and safer play while helping protect the track surface.

## J-DRAIN ACCESSORIES

J-Drain SWD & MVP Fittings	6" & 12" SIDE OUT 	6" & 12" CORNER 	6" ONLY STEP DOWN 	J-SPRAY 50 + Spray Hoses Spray Guns Spray Tips 		
6" ONLY END CAP 	6" & 12" SPLICE 	6" & 12" END OUT 	6" ONLY T-CONNECTOR 	J-TAPE 	J-CLIP 	Access Box 

## DRAINAGE CORE PHYSICAL PROPERTIES

PRODUCTS	WIDTH feet (meters)	THICKNESS (ASTM D 1777) inch (mm)	COMPRESSION (ASTM D 1621) psf (kNm2)	FLOW (ASTM D 4716) gal/min/ft (L/min/m)
<b>DIMPLE CORE</b>				
200/220	4, 6.5, 8.5 (1.22, 1.98, 2.59)	.40 (10.16)	11,000 (527)	18 (223)
400/420	4, 6.5, 8.5 (1.22, 1.98, 2.59)	.40 (10.16)	15,000 (718)	21 (261)
400/420XL	4, 6.5, 8.5 (1.22, 1.98, 2.59)	.40 (10.16)	16,500 (790)	21 (261)
500	4 (1.22)	.40 (10.16)	15,000 (718)	21 (261)
700/720	4, 6.5, 8.5 (1.22, 1.98, 2.59)	.40 (10.16)	21,000 (1005)	23 (286)
780	4, 6.5, 8.5 (1.22, 1.98, 2.59)	.40 (10.16)	21,000 (1005)	23 (276)
990	4 (1.22)	.40 (10.16)	30,000 (1436)	24 (298)
Thin Drain	4 (1.22)	.125 (3.175)	15,000 (718)	7 (87)
(Hydraulic Gradient = 1)				
<b>GEONET CORE</b>				
300/302	4, 7 (1.22, 2.13)	.25 (6.35)	40,000 (1915)	8.5 (106)
1000	4 (1.22)	.25 (6.35)	40,000 (1915)	8.5 (106)
(Hydraulic Gradient = 1)				
<b>GREEN ROOF</b>				
GRS	4 (1.22)	1.0 (25.4)	9,500 (455)	30 (372) (HG=.1)
GRS50	4 (1.22)	.25 (6.35)	15,000 (718)	21 (261) (HG=1)
400 RB	4 (1.22)	.25 (6.35)	15,000 (718)	21 (261) (HG=1)
<b>STRIP DRAIN</b>				
SWD	6", 12", 18", 24", 36"	1.0 (25.4)	8,500-11,000 (407-527)	30 (372)
MVP	6", 12"	1.0 (25.4)	8,500-11,000 (407-527)	30 (372)
(Hydraulic Gradient = .1)				

## FILTER FABRIC PHYSICAL PROPERTIES

PRODUCTS	APPARENT OPENING SIZE (ASTM D 4751) U.S. STAND. SIEVE (mm)	WATER FLOW RATE (ASTM D 4491) gal/min/ft2 (l/min/m2)	GRAB TENSILE (ASTM D 4632) lbs. (Kn)	GRAB ELONGATION (ASTM D 4632) %	PUNCTURE (ASTM D 4833) lbs. (Kn)
<b>DIMPLE CORE</b>					
200/220 (4ozNW)	70 (0.21)	140 (5704)	100 (0.45)	60	65 (0.30)
400/420 (4ozNW)	70 (0.21)	140 (5704)	100 (0.45)	60	65 (0.30)
400/420XL (6ozNW)	70 (0.21)	110 (4480)	160 (0.71)	50	95 (0.42)
500 (4ozNW)	70 (0.21)	140 (5704)	100 (0.45)	60	65 (0.30)
700/720 (Woven)	40 (0.12)	60 (2443)	370 (1.64)	15	120 (0.53)
780 (8ozNW)	100 (0.15)	100 (4073)	205 (0.90)	50	130 (0.58)
990 (Woven)	40 (0.12)	60 (2443)	370 (1.64)	15	120 (0.53)
Thin Drain (4ozNW)	70 (0.21)	140 (5704)	100 (0.45)	60	65 (0.30)
<b>GEONET CORE</b>					
300/302 (4ozNW)	70 (0.21)	140 (5704)	100 (0.45)	60	65 (0.30)
1000 (grey6ozNW)	70 (0.21)	140 (5704)	100 (0.45)	50	95 (0.42)
<b>GREEN ROOF</b>					
GRS/GRS50/400RB (ECO Fabric)		250 (10,186)	75 (0.34)	40	
<b>STRIP DRAIN</b>					
SWD (4ozNW)	70 (0.21)	140 (5704)	100 (0.45)	60	65 (0.30)
MVP (spunbound)	50 (0.15)	95 (3866)	110 (0.49)		30 (0.14)

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.