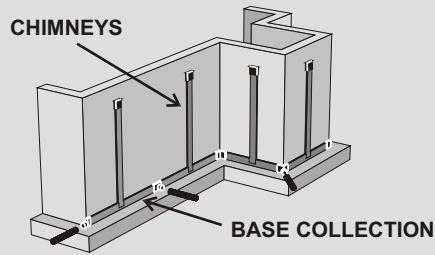


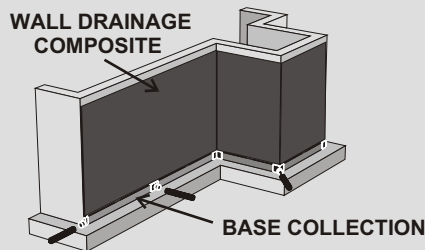


PRE-FABRICATED DRAINAGE COMPOSITES



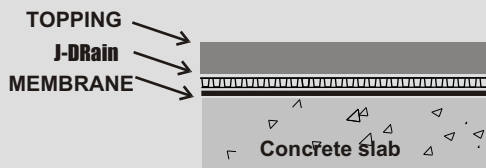
FOUNDATION AND RETAINING WALL DRAINAGE

A truly unique drainage and collection system consisting of vertical chimneys and a base collection system that is both easy to install and can be installed at a fraction of the cost of pipe and gravel french drains. See page 3 for details.



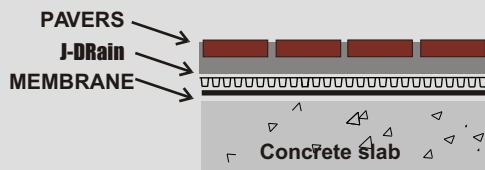
FOUNDATION DRAINAGE & COLLECTION

This revolutionary wall drainage system combines a wall composite drainage system along with a base collection system that replaces gravel back fill and pipe and gravel french drains. See page 2 & 3 for details.



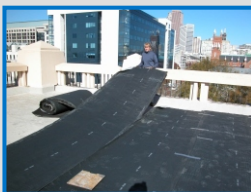
HEAVY DUTY - VEHICULAR TRAFFIC

Drainage composites ideal for providing drainage in horizontal applications on plaza decks, patios, under slab, parking decks, split slab, and many other special applications. These systems intercept water and provide membrane protection. See page 2 for details.

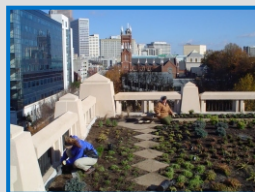


PATIOS AND PLAZA DECKS

Several very economical systems available for providing drainage in horizontal applications such as patios, plaza decks, terraces, and planters. See page 2 for details.



INSTALLING J-DRain GRS



PLANTING GREEN ROOF

GREEN ROOF DRAINAGE

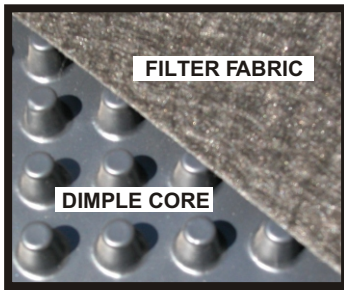
Design your Green Roof using one of several unique drainage systems. The many design variables will let you choose from the latest in drainage composite technology. See page 3 for details.



LANDSCAPE DRAINAGE

Landscape drainage can now be installed at a fraction of the cost of the old pipe and gravel french drains. This technically advanced drainage system is light weight and very easy to install. See page 3 for details.

STANDARD DUTY DIMPLE CORE



FILTER FABRIC

DIMPLE CORE

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*

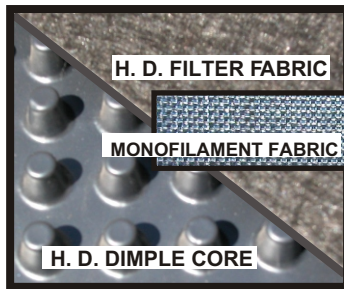
[DIMPLE DRAIN CORE/
NON-WOVEN GEOTEXTILE]

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: 18 gpm Compression: 15,000 psf

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

www.j-drain.com

HEAVY DUTY DIMPLE CORE / SPECIAL FILTER FABRICS



H. D. FILTER FABRIC

MONOFILAMENT FABRIC

H. D. DIMPLE 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: 18 gpm Compression: 16,500 psf

J-DRain 700/720*

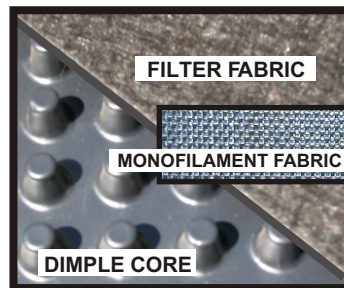
[H. D. DIMPLE DRAIN CORE / H. D.
WOVEN GEOTEXTILE]

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

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

www.j-drain.com

EXTRA HEAVY DUTY DIMPLE CORE / SPECIAL APPLICATIONS



FILTER FABRIC

MONOFILAMENT FABRIC

DIMPLE CORE

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: 21 gpm Compression: 21,000 psf

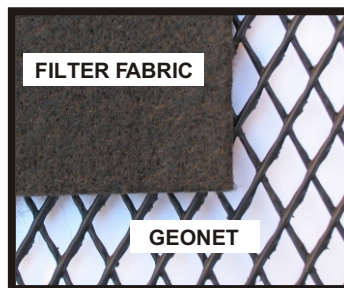
J-DRain 990

[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: 11.5 gpm Compression: 33,000 psf

www.j-drain.com

EXTRA HEAVY DUTY GEONET CORE



FILTER FABRIC

GEONET

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 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 geotextile bonded to the bottom side for membrane protection.
Flow rate: 9 gpm Compression: 30,000 psf

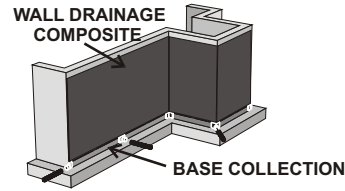
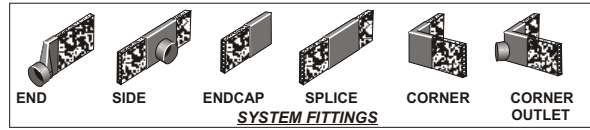
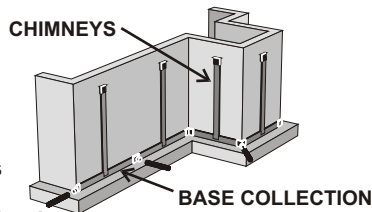
www.j-drain.com

PAGE 2

MODULAR FOUNDATION DRAINAGE & COLLECTION

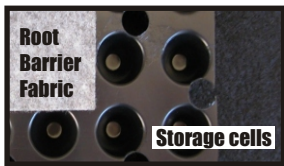
J-DRain SWD

J-DRain SWD - 6 & 12 provide a very economical drainage system for retaining & foundation walls. Using chimneys on 4' to 8' centers provides hydrostatic relief and transfers water to a collection system at the base of wall. 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.

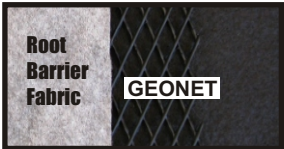


www.j-drain.com

GREEN ROOF DRAINAGE



J-DRain GRS a thick, perforated dimple core promotes excellent drainage while storing rainwater in dimpled cups for later plant consumption. Several geotextiles are available with this system, including a special root barrier fabric. Due to the unique features of this product and the many design variables, we suggest that you contact our design professionals for assistance @ 770 442-1461 or 1 800 843-7569. You may also choose to consult our website @ www.j-drain.com.



J-DRain 300 GR is another very unique product with many choices of geotextiles and a geonet drainage core. Again, due to the many design variables, we suggest contacting our design professionals for assistance.

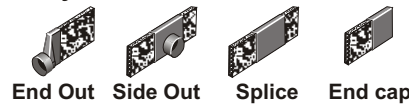


www.j-drain.com

LANDSCAPE DRAINAGE



J-DRain SWD-6 & 12 are drainage composites for providing drainage in landscape applications. It is well suited for providing easy to install trench drains in landscape, natural turf athletic fields, golf courses and many other applications. It can be easily installed around playground equipment as well as synthetic turfs.



www.j-drain.com

PRODUCT SELECTION GUIDELINE BY APPLICATION

HORIZONTAL APPLICATIONS

PLAZA DECKS (PEDESTRIAN)
PLAZA DECKS (VEHICULAR)
PLANTERS
PATIOS & TERRACES
ROOF GARDENS
SPLIT-SLAB & UNDER SLAB
GREEN ROOFS
ROOF MEMBRANE ASSEMBLY

J-DRain PRODUCTS

400, 420, 700, 720
700, 720, 990, 1000
400, 420, 700, 720
400, 420
400, 420, 700, 720
700, 720, 990, 1000
GRS, 300 GR, 400
400, 420

TURF & SITE DRAINAGE

ATHLETIC FIELDS (NATURAL)
ATHLETIC FIELDS (SYNTHETIC)
LAWNS & GARDENS
GOLF COURSES
PLAYGROUNDS
EDGE DRAINS
MUNICIPAL PARKS

J-DRain PRODUCTS

SWD-6, SWD-12
SWD-12
SWD-6
SWD-6, SWD-12
SWD-6
SWD-6, SWD-12
SWD-6

VERTICAL APPLICATIONS

FOUNDATION WALLS
RETAINING WALLS
CRIB WALLS
LAGGING WALLS
BRIDGE ABUTMENTS
INTERIOR RE-HAB

J-DRain PRODUCTS

200, 220, 400, 420, SWD-6 Collection System,
200, 220, 400, 420, SWD-6 Collection System,
302, 400
SWD-6, SWD-12, 302, 400
SWD-6, SWD-12, 300, 400
200, 400

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PAGE 3

DRAINAGE CORE PHYSICAL PROPERTIES

PRODUCTS	WIDTH feet (meters)	THICKNESS (ASTM D 1777) inch (mm)	COMPRESSION (ASTM D 1621) psf (kNm ²)	FLOW (ASTM D 4716) gal/min/ft (L/min/m)
(DIMPLE CORE)				
200/220	4, 6, 8 (1.22, 1.83, 2.45)	.40 (10.16)	11,000 (527)	18 (223)
400/420	4, 6, 8 (1.22, 1.83, 2.45)	.40 (10.16)	15,000 (718)	18 (223)
400/420XL	4, 6, 8 (1.22, 1.83, 2.45)	.40 (10.16)	16,500 (790)	18 (223)
700/720	4, 6, 8 (1.22, 1.83, 2.45)	.40 (10.16)	21,000 (1005)	21 (261)
780	4, 6, 8 (1.22, 1.83, 2.45)	.40 (10.16)	21,000 (1005)	21 (261)
990	4 (1.22)	.25 (6.35)	33,000 (1580)	11.5 (143)
(Hydraulic Gradient = 1)				
(GEONET CORE)				
300/302	4, 7 (1.22, 2.13)	.25 (6.35)	30,000 (1436)	9 (112)
1000	4 (1.22)	.25 (6.35)	30,000 (1436)	9 (112)
(Hydraulic Gradient = 1)				
(GREEN ROOF)				
GRS	4 (1.22)	1.0 (25.4)	9,500 (455)	97 (1204)
300 GR	4, 7 (1.22, 2.13)	.25 (6.35)	30,000 (1436)	9 (112)
(Hydraulic Gradient = 1)				
(STRIP DRAIN)				
SWD	6", 12", 18", 24" & 36"	1.0 (25.4)	9,500 (455)	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/ft ² (l/min/m ²)	GRAB TENSILE (ASTM D 4632) lbs. (Kn)	GRAB ELONGATION (ASTM D 4632) %	PUNCTURE (ASTM D 4833) lbs. (Kn)
(DIMPLE CORE)					
200/220	70 (0.21)	140 (5698)	100 (0.45)	60	65 (0.30)
400/420	70 (0.21)	140 (5698)	100 (0.45)	60	65 (0.30)
400/420XL	70 (0.21)	110 (4477)	160 (0.71)	50	95 (0.42)
700/720	40 (0.42)	145 (5907)	365 (1.62)	24	100 (0.44)
780	80 (0.18)	95 (3866)	205 (0.90)	50	130 (0.58)
990	40 (0.42)	145 (5907)	365 (1.62)	24	100 (0.44)
(GEONET CORE)					
300/302	70 (0.21)	140 (5698)	100 (0.45)	60	65 (0.30)
1000	70 (0.21)	140 (5698)	100 (0.45)	60	65 (0.30)
(STRIP DRAIN)					
SWD-6, 12, 18, 24 & 36	70 (0.21)	140 (5698)	100 (0.45)	60	65 (0.30)
(GREEN ROOF)					
GRS	70 (0.21)	140 (5698)	100 (0.45)	60	65 (0.30)