



# J•DRAIN<sup>®</sup>



## J•DRAIN<sup>®</sup> CD 1100 Chimney Drain Systems

### **Product Description:**

Chimney Drain 1100 series is available in 12" 18", & 24" wide strip of .4" profile dimple drainage core that is bonded to a single layer of geotextile filter fabric on the dimple side of the core. Their purpose is to draw the ground water which migrates through the soil adjacent to the wall and quickly convey the water down to the base collection system (**J•DRAIN SD series**), providing hydrostatic relief. Often dense compacted soil layers form between the base part and the top of the backfill and water collecting against the wall has difficulty finding its way to the base collection system. Chimneys add very little to the overall cost of the system, but greatly enhance the effectiveness of the drainage system.

*Available in 12", 18", and 24" widths. Available with AASHTO approved fabric.*

### **Applications:**

Popular applications for chimneys are **retaining** and **lagging** walls or other vertical applications where full wall coverage is not feasible. Often times in these applications, chimney drains provide a practical alternative to accommodate for protrusions in the wall surface, i.e. tie backs & soil nails. Chimney drains may also be used as a cost effective alternative when full wall coverage is not cost effective and not required.

[info@j-drain.com](mailto:info@j-drain.com)

[www.j-drain.com](http://www.j-drain.com)

**JDR** Enterprises, Inc.

292 S. Main St., Suite 200 Alpharetta, GA 30009  
(800) 843-7569 (770) 442-1461 Fax: (770) 664-7951



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## CD 1100 Series

### Chimney Drain Systems

### Physical Properties

Property	Test Method	UOM	CD 1130	CD 1140	CD 1160	CD 1180
FABRIC						
Material			Non woven PP	Non woven PP	Non woven PP	Non woven PP
AASHTO M 288	Survivability		-	Class 3	Class 2	Class 1
Grab Tensile Strength	ASTM D 4632	lbs	80	120	160	205
		N	356	534	712	912
Apparent Opening Size	ASTM D 4751	U.S. Sieve	70	70	70	80
		mm	0.212	0.212	0.212	0.18
Flow Rate	ASTM D 4491	gal/min/ft²	160	135	110	95
		l/min/m²	6519	5500	4481	3870
Puncture Strength	ASTM D 6241	lbs	210	310	410	500
		N	934	1380	1825	2224
Permittivity	ASTM D 4491	sec <sup>-1</sup>	2.2	1.7	1.5	1.4
Grab Tensile Elongation	ASTM D 4632	%	50	50	50	50
UV Resistance	ASTM D 4355	% (@ 500 hrs)	70	70	80	70
CORE						
Thickness	ASTM D 1777	inch	0.4	0.4	0.4	0.4
		mm	10.16	10.16	10.16	10.16
Compression	ASTM D 1621	psf	11,000	11,000	11,000	11,000
		kNm²	527	527	527	527
Flow Rate Hydraulic Gradient = 1 @ 3,600 psf	ASTM D 4716	gal/min/ft	18	18	18	18
		l/min/m	223	223	223	223
ROLL SIZE						
Roll Width		inch	12, 18, & 24			
		cm	30.5, 45.7, & 61			
Roll Length		feet	100			
		meters	30.48			

**Specialty roll widths and fabrics require additional lead time and minimum quantity orders.**

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.

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