

J-Drain 406 CALTRANS Chimney Drain



Product Description:

Chimney Drains are 12", 18", or 24" wide strips of .4" profile dimple drainage core bonded to a layer of non-woven filter fabric. 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, 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", & 24" widths.

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.

PHYSICAL PROPERTIES

CORE

Compressive Strength (ASTM D-1621)	15,000 psf (719 kNm ²)
Thickness (ASTM D-1777)	.40 in. (10.16 mm)
Flow (Hydraulic gradient =1) (ASTM D-4716)	21 g/min/ft (260 L/min/m)

Roll Length	Roll Width	Roll Weight
300 ft (91.44 m)	12" (30.5 cm)	60 lbs
	18" (45.7 cm)	90 lbs
	24" (61.0 cm)	120 lbs

FABRIC

Flow (ASTM D-4491)	110 gal/min/ft ²	(4481 L/min/m ²)
CBR Puncture (ASTM D-6241)	410 lbs.	(1.825 kN)
AOS (EOS) (ASTM D-4751)	70 U.S. Sieve	(.212 mm)
Grab Tensile (ASTM D-4632)	160 lbs	(.712 kN)
Grab Elongation (ASTM D-4632)	50%	
UV Resistance (ASTM D-4355)	70 % strength retained (@ 500 hours)	
Permittivity (ASTM D-4491)	1.5 sec ⁻¹	
Weight (ASTM D-5261)	6.5 oz/yd ²	220 g/m ²

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 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.