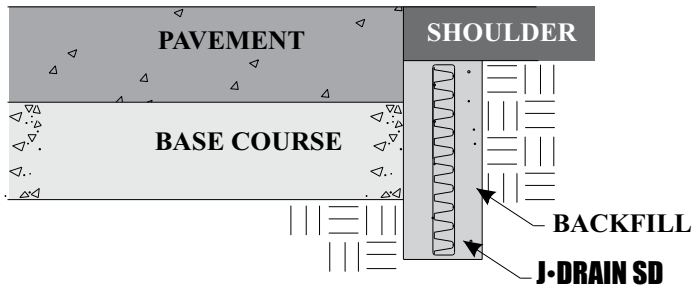




# J·DRAIN<sup>®</sup>

Prefabricated Drainage Composites

# Highway Edge Drains



TYPICAL HIGHWAY EDGE DRAIN DETAIL



## J·DRAIN<sup>®</sup> SD 950 series

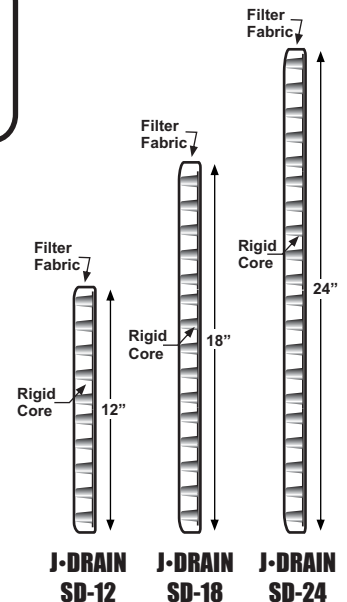
ENGINEERED STRIP DRAIN

Meets AASHTO M 288 Requirements

### Product Description



**J·DRAIN SD** is a composite drainage system consisting of a 3-dimensional, high flow, drainage core and a non-woven, needle-punched filter fabric. The filter fabric is wrapped and bonded to the drainage core, preventing intrusion of the filter fabric into the flow channels during the backfilling process. Soil particles are held back by the filter fabric allowing water to pass through to the drainage core to be collected and conveyed to the discharge point.



info@j-drain.com

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



# J·DRAIN<sup>®</sup>

## SD 950 Series

### Physical Properties

Property	Test Method	UOM	SD 953	SD 954	SD 956	SD 958	SD 954 T
<b>FABRIC</b>							
Material			Non woven PP	Non woven PP	Non woven PP	Non woven PP	Spunbond PP
AASHTO M 288	Survivability		-	Class 3	Class 2	Class 1	Class 3
Grab Tensile Strength	ASTMD 4632	lbs	80	120	160	205	145
		N	356	534	712	912	644
Apparent Opening Size	ASTMD 4751	U.S. Sieve	70	70	70	80	60
		mm	0.212	0.212	0.212	0.18	0.25
Flow Rate	ASTMD 4491	gal/min/ft <sup>2</sup>	160	135	110	95	60
		l/min/m <sup>2</sup>	6519	5500	4481	3870	2460
Puncture Strength	ASTMD 6241	lbs	210	310	410	500	276
		N	934	1380	1825	2224	1228
Permittivity	ASTMD 4491	sec <sup>-1</sup>	2.2	1.7	1.5	1.4	0.8
Grab Tensile Elongation	ASTMD 4632	%	50	50	50	50	50
UV Resistance	ASTMD 4355	% (@ 500 hrs)	70	70	80	70	80
<b>CORE</b>							
Thickness	ASTMD 1777	inch	1	1	1	1	1
		cm	2.54	2.54	2.54	2.54	2.54
Compression	ASTMD 1621	psf	9,500	9,500	9,500	9,500	9,500
		kNm <sup>2</sup>	455	455	455	455	455
Flow Rate Hydraulic Gradient = 1 Q&518 psf	ASTMD 4716	gal/min/ft	30	30	30	30	30
		l/min/m	372	372	372	372	372
Roll Size: 6, 12, & 18 inch widths x 165 foot length. 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 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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