

# SUREDRIY SD520

## PREFABRICATED SHEET DRAIN



### PRODUCT OVERVIEW

SUREDRIY 520 prefabricated sheet drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side and a polymeric film bonded to the back side. The geotextile allows water to pass through while retaining backfill materials. The solid core allows water collection from one side and provides a continuous flow path to designated drainage exits. The polymeric backing film provides system compatibility with softer waterproofing membranes.

SUREDRIY 520 is an economical solution for single-sided subsurface drainage applications requiring high strength, high flow capacity, and additional protection for softer waterproofing membranes.

PHYSICAL PROPERTIES 1	TEST METHOD	UNIT OF MEASURE	TYPICAL VALUE
<b>GEOTEXTILE</b>			
Material 2			PP, NPNW
Grab Tensile Strength	ASTM D4632	lbs	100
		N	445
Grab Elongation	ASTM D4632	%	65
CBR Puncture	ASTM D6241	lbs	275
		N	1,220
UV Resistance	ASTM D4355	% / 500 Hrs	70
Apparent Opening Size (AOS) 3	ASTM D4751	sieve	70
		mm	0.212
Permittivity	ASTM D4491	sec <sup>-1</sup>	2.4
Water Flow Rate	ASTM D4491	gpm / ft <sup>2</sup>	165
		Lpm / m <sup>2</sup>	6,724
<b>CORE</b>			
Material 2			HIPS
Compressive Strength	ASTM D6364 / ASTM D1621	psf	15,000
		kPa	718
Thickness	ASTM D5199	in	0.44
		mm	11
In-Plane Flow Rate 4	ASTM D4716	gpm/ft	18
		Lpm/m	224
<b>COMPOSITE</b>			
Recycled Content 5	CALCULATED	%	>70
Roll Size	MEASURED	ft	4 x 50
Roll Weight (approx.) 6	MEASURED	lbs	39

<sup>1</sup> Unless otherwise noted, all physical and performance properties listed are Typical Value as defined in ASTM D4439.

<sup>2</sup> PP = Polypropylene; HIPS = High Impact Polystyrene; NPNW = Needle-Punched Nonwoven; WM = Woven Monofilament; SBNW = Spunbonded Nonwoven

<sup>3</sup> Values for AOS represent Maximum Average Roll Value (MaxARV).

<sup>4</sup> In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.

<sup>5</sup> Pre-Consumer recycled content by weight.

<sup>6</sup> Approximate packaged roll weight.

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