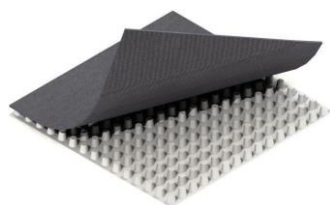


SUREDRIY SD500

PREFABRICATED SHEET DRAIN



PRODUCT OVERVIEW

SUREDRIY 500 prefabricated sheet drain is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple 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.

SUREDRIY 500 is an economical solution for single-sided subsurface drainage applications requiring high strength and high flow capacity.

PHYSICAL PROPERTIES 1	TEST METHOD	UNIT OF MEASURE	TYPICAL VALUE
GEOTEXTILE			
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 ⁻¹	2.4
Water Flow Rate	ASTM D4491	gpm / ft²	165
		Lpm / m²	6,724
CORE			
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
COMPOSITE			
Recycled Content ⁵	CALCULATED	%	>75
Roll Size	MEASURED	ft	4 x 50
Roll Weight (approx.) ⁶	MEASURED	lbs	38

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

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

³ Values for AOS represent Maximum Average Roll Value (MaxARV).

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

⁵ Pre-Consumer recycled content by weight.

⁶ Approximate packaged roll weight.

All technical information contained in this document is accurate as of revision date listed. PURE ASPHALT reserves the right to make changes to products and literature without notice.