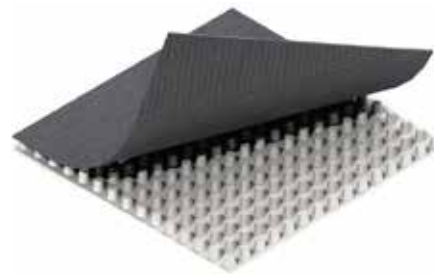


HydraPanel™ is composed of a dimpled polymeric core with a nonwoven geotextile bonded to the dimple side.

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.

HydraPanel products provide an economical solution for single-sided subsurface drainage applications requiring moderate strength and high flow capacity. Various geotextile options are available to meet project-specific requirements.



PROPERTY ¹	TEST METHOD	UNIT	113	114	114-T	116	116-W	118
GEOTEXTILE								
Material ²			PP, NPNW	PP, NPNW	PP, SBNW	PP, NPNW	PP, WM	PP, NPNW
Survivability	AASHTO M288	Class	-	3	3	2	-	1
Grab Tensile	ASTM D4632	lbs	100	135	150	195	430 x 240	245
Strength		N	445	601	667	867	1,914 x 1,068	1,090
Grab Elongation	ASTM D4632	%	70	60	50	60	30 x 15	60
CBR Puncture	ASTM D6241	lbs	305	365	295	505	800	580
		N	1,356	1,624	1,312	2,246	3,560	2,580
Trapezoidal Tear	ASTM D4533	lbs	50	60	70	85	180 x 130	100
		N	222	267	310	378	801 x 579	445
UV Resistance	ASTM D4355	% / 500 Hrs	70	70	70	70	90	70
Apparent Opening	ASTM D4751	sieve	70	70	80	70	50	80
Size (AOS) ³		mm	0.212	0.212	0.180	0.212	0.300	0.180
Permittivity	ASTM D4491	sec ⁻¹	2.7	2.4	1.0	2.1	2.7	1.8
Water Flow Rate	ASTM D4491	gpm / ft ²	165	175	70	155	195	135
		Lpm / m ²	6,724	7,130	2,850	6,315	7,944	5,501
CORE								
Compressive	ASTM D6364	psf	11,000	11,000	11,000	11,000	11,000	11,000
Strength	ASTM D1621	kPa	527	527	527	527	527	527
Thickness	ASTM D5199	in	0.4	0.4	0.4	0.4	0.4	0.4
		mm	10	10	10	10	10	10
In-Plane Flow Rate ⁴	ASTM D4716	gpm/ft	18	18	18	18	18	18
		Lpm/m	224	224	224	224	224	224
COMPOSITE								
Roll Size	Measured	ft	4 x 50	4 x 50	4 x 50	4 x 50	4 x 50	4 x 50
			-	6 x 50	6 x 50	6 x 50	6 x 50	6 x 50
			-	8 x 50	8 x 50	8 x 50	8 x 50	8 x 50

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

2. PP = Polypropylene; 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. All technical information contained in this document is accurate as of publication. Intech reserves the right to make changes to products and literature without notice. Please refer to our website for the most current technical information available.