

Description:

HyDrain 350 is a prefabricated sheet drains are designed with a 30,000 psf core to meet your most demanding horizontal application design loads. The dimple core design offers significantly higher flow rates and better protection to waterproofing membranes than geonets.



Product Highlights:

- High compression strength and flow rate
- Incorporates a high strength woven monofilament filter fabric to create a strong bridge to eliminate intrusion of the fabric under load.
- Manufactured with recycled materials
- HyDrain 350 products are environmentally friendly and can contribute toward LEED design credits
- Ideal for heavy commercial and residential applications
- Functions as a protection course
- Woven filter fabrics are better suited to receive concrete pours and provide excellent filtration for the organic soils used in planter applications. Help effectively manage site issues
- Designed to withstand the additional stress demands associated with horizontal applications

Installation:

- Limit unpackaged material UV exposure to a cumulative maximum of 14 days during installation.
- Do not install materials during high wind events.
- Do not install materials when ambient temperatures are below 20 degrees Fahrenheit or above 100 degrees Fahrenheit.
- Do not expose materials to chemicals that are strong acids, strong bases, or high in solvents content
- Protect materials from site construction damage, flames, and other environmental conditions that may damage the materials.

Storage:

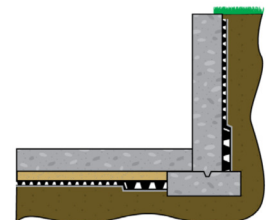
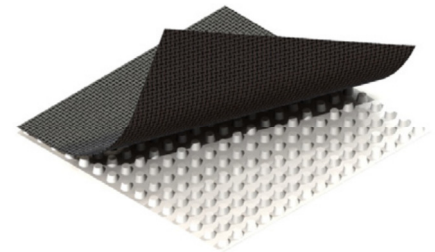
- Store materials in protected environment until time of installation.
- Materials not shipped in UV-resistant bags must be stored indoors or under separate UV-protective cover to protect materials from exposure to direct sunlight.
- UV-resistant bagged materials may be stored in outdoor UV-exposed environments for a cumulative maximum of 180 days.

Applications:

- Plaza Decks
- Vertical Foundation Walls
- Parking Decks
- Split slab Construction
- Planter Applications

Packaging:

- 4' x 50' Rolls
- 47 lbs per roll
- 6 Rolls per pallet



TECHNICAL DATA: **HyDrain 350**

Physical Properties	ASTM Test Method	Unit of Measure	Typical Value
FABRIC			
Material			PP,NPNW
Water Flow Rate	D-4491	gpm/ft 2	145
		Lpm/m 2	5,907
Grab Tensile Strength	D4632	Lbs.	365 x 200
		N	1624 x 890
CBR Puncture	D-6241	Lbs.	675
		N	3.00
Apparent Opening Size	D-4751	sieve	40
		mm	.430
Permittivity	D-4491	Sec.1	2.1
Grab Elongation	D-4632	%	65
UV Resistance	D-4355	% / 500 HRS	90
CORE			
Material			HIPS
Thickness	D-5199	In	.025
		mm	6.35
Compressive Strength	D-1621	Psf	30,000
		kPa	1,436
	D-6364	Psf	30,000
		kPa	1,436
In Plane Flow Rate	D-4716	gpm/ft	13
		Lpm/m	161
Recycled Content		%	>70

1- PP = Polypropylene; HIPS = High Impact Polystyrene

2 - Flow rates tested @ 3600 psf (172 kPa) compressive load. Installed horizontal flow with concrete sand overburden tested at a hydraulic gradient of 0.05. Maximum in-plane flow rate tested at a hydraulic gradient of 1.0

Warranty:

Hyload warrants that the products shall be free from defects and in conformity, within normal manufacturing variations, with Hyload's physical specifications. No other portion of Hyload's published literature shall be incorporated herein except for such physical specifications. Hyload shall be responsible for such defects only if the same is noted, in writing, within one (1) year from delivery of the products.

OTHER THAN THE WARRANTY IMMEDIATELY ABOVE, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED. THE REMEDIES PROVIDED HEREUNDER SHALL BE EXCLUSIVE; HYLOAD SHALL NOT BE LIABLE FOR ANY PERSONAL INJURY, OTHER DIRECT, INDIRECT, CONSEQUENTIAL, INCIDENTAL, OR SPECIAL DAMAGES OF ANY KIND (INCLUDING COST OF INSTALLATION, REMOVAL OR REPAIR OF THE PRODUCT OR LOSS OF USE OR PROFIT).