

Description:

HyDrain 200 is a prefabricated product that consists of a solid, formed, three dimensional core covered with a nonwoven polypropylene filter fabric. The fabric is bonded to each dimple and retains soil particles while allowing maximum water collection into the drainage core. The core provides an uninterrupted path for water to flow to designated drainage exits.



Product Highlights:

- Moderate compression strength and flow rate
- Manufactured with recycled materials
- HyDrain 200 products are environmentally friendly and can contribute toward LEED design credits
- Ideal for light commercial and residential applications
- Functions as a protection course
- Manage storm water runoff
- Help effectively manage site issues
- Designed to withstand the additional stress demands associated with horizontal applications

Applications:

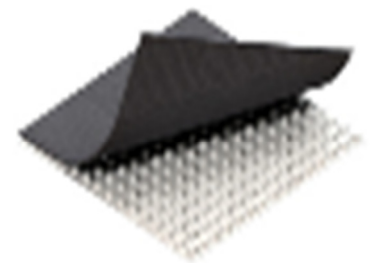
- Plaza Decks
- Vertical Foundation Walls
- Parking Decks
- Planter Applications

Packaging:

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

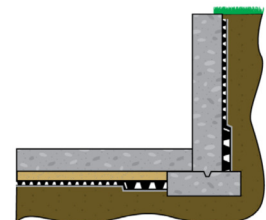
Installation:

- 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.



TECHNICAL DATA: **HyDrain 200**

Physical Properties	ASTM Test Method	Unit of Measure	Typical Value
FABRIC			
Material		PP	PP
Water Flow Rate	D-4491	gpm/ft ²	165
		Lpm/m ²	6,724
Grab Tensile Strength	D4632	Lbs.	100
		N	445
CBR Puncture	D-6241	Lbs.	275
		N	1.22
Apparent Opening Size	D-4751	sieve	70
		mm	0.21
Permittivity	D-4491	Sec.1	2.4
Grab Elongation	D-4632	%	65
UV Resistance	D-4355	% / 500 HRS	70
CORE			
Material			HIPS
Thickness	D-5199	In	.025
		mm	6.35
Compressive Strength	D-1621	Psf	11,000
		kPa	527
	D-6364	Psf	1,000
		kPa	527
In Plane Flow Rate	D-4716	gpm/ft	12.5
		Lpm/m	155
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).