



IPP GeoMax Protection System

Year of last update: **2017**

Function: **Drainage**

STRUCTURE: IPP GeoMax Protection Membrane System is an high density extruded polyethylene (HDPE) membrane, bonded to a filter geotextile.

DRAINAGE CORE

Raw material		HDPE
Studs for square meter	lbf/ft ²	52.21368
Width	ft	4 or 8

FILTER GEOTEXTILES

Raw material			PP
Weight	EN ISO 9864	oz/ft ²	47.46
Water permeability	EN ISO 11058	in/s	4.33
Opening size	EN ISO 12956	inches	.037

GEOCOMPOSITE

Thickness at 2 kPa	EN ISO 9863-1	cm	1
Compression resistance	ASTM D 1621	psf	>15000
Tensile strength (MD/CMD)	EN ISO 10319	lb/ft	3596/39.37
Elongation at max load (MD/CMD)	EN ISO 10319	%	65/60

HYDRAULIC PERFORMANCES

Plane flow capacity MD (20kPa, S/R, i=1)	EN ISO 12958	cuft/min	8.47
	ASTM D 4716	cuft/h	508.53
Plane flow capacity MD	EN ISO 12958	cuft/min	
	<i>Hydraulic gradient</i>	<i>Contact</i>	<i>i = 0.04</i> <i>i = 0.10</i> <i>i = 1</i>
	<i>Load: 2.9 psi</i>	S/R	0.66 1.,0 4.00
	<i>" 7.25 psi</i>	S/R	0.61 0.96 3.31
	<i>" 14.50 psi</i>	S/R	0.55 0.87 2.90
	<i>" 29 psi</i>	S/R	0.44 0.76 2.72

S/S: Soft/Soft Contact - S/R: Soft/Rigid Contact - R/R: Rigid/Rigid Contact

MD: Machine direction / CMD: Cross machine direction

STANDARD DIMENSIONS

Width	4' / 8' ft
Length	41' ft
Rolls/pallet	6



The information given in this data sheet is to the best of our knowledge true and correct. Instacoat Premium Products reserves the right to change its product specifications at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for design and procurement purposes are current and consistent with the products used in each instance.

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