



ISOSTUD GEO P

STRUCTURE: ISOSTUD GEO P is a high density polyethylene (HDPE) studded membrane bonded to a PP fabric. It is ideal for drainage in basements and underground walls.

CORE MEMBRANE PROPERTIES

Raw material						HDPE
Color						BLACK
Weight	ASTM D 5621	g/m ²	600	oz/yd ²	17.7	±5%
Foil thickness		mm	0.65	in	0.03	±10%

GEOTEXTILE PROPERTIES

Weight	ASTM D 5621	g/m ²	100	oz/yd ²	2.9	±5%
Permittivity	ASTM D 4491	sec ⁻¹	1			-30%
Water flow rate	ASTM D 4491	L/min/m ²	6095	gal/min/ft ²	150	±1%
CBR Puncture strenght	ASTM D 6241	kN	0.778	lbs	175	-10%
AOS Opening size	ASTM D 4751	mm	0.3	US Sieve	50	
Grab tensile strenght	ASTM D 4632	N	355	lbs	80	

PHYSICAL/ MECHANICAL CHARACTERISTICS

Dimple height	ASTM D 6364	mm	7.5	in	5/16"	±10%
Compressive strength	ASTM D 1621	kN/m ²	250	psf	5200	±15%
Watertightness (1250 psf/day)	Pass					
Working temperature			°C -30/+80	°F -22/+176		
Chemical properties	Excellent chemical resistance, not pollutant, not toxic					
Drain flow capacity						
2090 psf, RR, hydr.grad. i=0.1	ASTM D 4716	l/ms	0.5	gal/ft/min	2.4	±20%
2090 psf, RR, hydr.grad. i=1	ASTM D 4716	l/ms	1.9	gal/ft/min	9.2	±20%
3760 psf, RR, hydr.grad. i=0.1	ASTM D 4716	l/ms	0.3	gal/ft/min	1.4	±20%
3760 psf, RR, hydr.grad. i=1	ASTM D 4716	l/ms	1	gal/ft/min	4.8	±20%

DIMENSIONAL CHARACTERISTICS

STANDARD DIMENSIONS						
Roll width	FLAT TAB*	m	1.22	ft	4	±1%
Roll width	FLAT TAB	m	2	ft	6.6	±1%
Roll width	FLAT TAB	m	2.44	ft	8	±1%
Roll length		m	20	ft	65.6	±3%
Rolls/pallet (40" x 48" pallet)		#	6			

*It can be 50% with and 50% without flat tab
Other sizes may be available upon request.

CLASSIFICATION

ICC ES: ESR 3457

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