



# ISOSTUD GEO T

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

## CORE MEMBRANE PROPERTIES

Raw material	HDPE
Color	BLACK

## FABRIC PROPERTIES

Permittivity	ASTM D 4491	sec <sup>-1</sup>	0.7		
Water Flow Rate	ASTM D 4491	L/(min*m <sup>2</sup> )	3485	gal/(min*ft <sup>2</sup> )	85
Puncture Strength	ASTM D 4833	N	150	lb	34
AOS Opening Size	ASTM D 4751	mm	0.25	US Sieve	60
Grab Tensile Strength	ASTM D 4632	N	533	lbs	120

## PHYSICAL/ MECHANICAL CHARACTERISTICS

Dimple height	ASTM D 6364	mm	7.5	in	5/16"	±10%
Compressive strength	ASTM D 1621	kN/m <sup>2</sup>	250	psf	5200	±20%
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/(m*s)	0.5	gal/(ft*min)	2.4	±20%
2090 psf, RR, hydr.grad. i=1	ASTM D 4716	l/(m*s)	2.0	gal/(ft*min)	9.7	±20%
3760 psf, RR, hydr.grad. i=0.1	ASTM D 4716	l/(m*s)	0.3	gal/(ft*min)	1.4	±20%
3760 psf, RR, hydr.grad. i=1	ASTM D 4716	l/(m*s)	1.1	gal/(ft*min)	5.1	±20%

## DIMENSIONAL CHARACTERISTICS

### STANDARD DIMENSIONS

Roll width	FLAT TAB*	m	1.22	ft	4	±1%
Roll width	FLAT TAB	m	1.83	ft	6	±1%
Roll width	FLAT TAB	m	2.44	ft	8	±1%

Roll length	m	20	ft	65.6	±3%
Rolls/pallet (40"x48" pallet)	#	6			

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

## CLASSIFICATION

CCMC: 14053-R

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