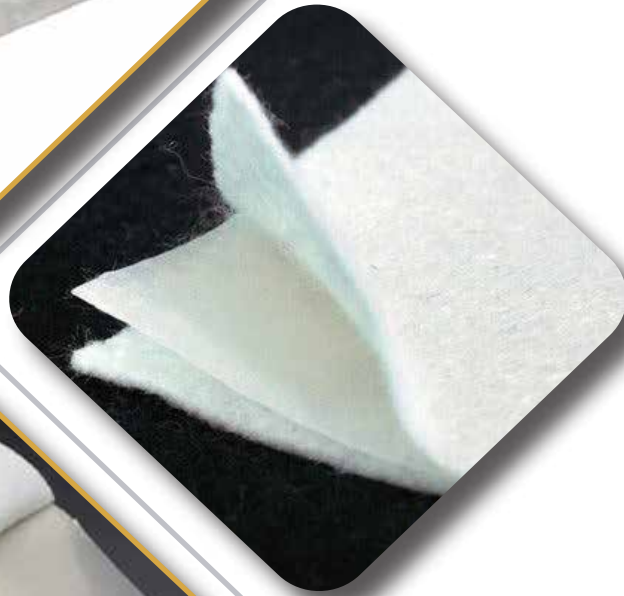




GEO SOLUTIONS
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COMPOSITE GEO MEMBRANE



Regd. No. 14123018
Certification No. 100561732



Pakistan Standards

Regd. No. QCC/4(370)-22-23 (829)



Ref. No. UNIV/PPE/951

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COMPOSITE GEO MEMBRANE

Composite Geo Membrane:

Composite geo-membranes are made by heat-bonding a non-woven or woven geo-textile to geo-membranes. The composite have functions and advantages of both the geo-textile and geo-membrane.

Composite Geo Membrane Advantages:

1. High tensile strength and modulus | 2. Effective drainage and waterproof performance
3. Multi-purpose | 4. Easy to build and cost saving
5. Good performance of anti-ageing and anti-freezing

Applications:

Composite geo-membrane is widely used in dams, traffic tunnel, road, airport, drainage, housing, environmental protection and many other fields for waterproof protection, reinforcement etc.

Technical Data Sheet								
PE membrane		0.20 - 0.35			0.30 - 1			
Mass per unit area		400	500	600	700	800	1000	1800
Usual Specification	One textile one film	200 /0.2	200/ 0.3	300/ 0.3	400/ 0.3	400/ 0.4	400/ 1	800/ 1
	Two textile one film	100 / 0.2/ 100	100 0.3/ 100	150/ 0.3/ 150	200/ 0.3/ 200	200/ 0.4/ 200	200/ 1 200	400/ 1 400
Unit area tolerance %		-10						
Tensile strength kN \geq		10.0	10.0	15.0	20.5	20.5	20.5	25.5
Elongation %		40 - 80						
Tear strength kN \geq		0.28	0.28	0.42	0.56	0.56	0.56	0.70
CBR plunger strength kN \geq		1.8	1.8	2.6	3.5	3.5	3.5	4.7
Vertical permeability cm/ s \leq		10-12						
Hydrostatic pressure Mpa \geq		04-06			0.6-1.0			

Explanation

1. Width of product: >5.0m, and thickness of film are 0.2 - 0.8 mm.
2. Composite geomembrane can reserve welding border arbitrarily according to the need of the user.
3. The specification that is not in the form can be arranged by user and supplier two sides.
4. Provide special anti-creepage product, such as enhanced type of woven Geocomposit membrane and more textiles with more films.
5. Provide technical consultation and live welding teaching.