



KRUBBER® Pond Liner

KRUBBER®

KRUBBER® COMPOSITE POND LINING GEOMEMBRANE

is robust, elastic, durable and long lasting composite geomembrane made of Elastomeric Terpolymer, designed and installed to hold water and liquid effectively.

KRUBBER® COMPOSITE POND LINING GEOMEMBRANE

has a Elastomeric Terpolymer core in centre, sandwiched and factory fused between two layers of geotextile fleece on either sides. Elastomeric Terpolymer core is watertight barrier whereas fleece provides permanent protection to the inner Elastomeric Terpolymer core and can be fully bonded to the structure permanently.

Our specialized terpolymer formula has carbon chain structure and curing is primarily a process generating a 3-dimensional network of polymer chains as a result of the formation of different chemical bridges. The reaction transforms our specialized compound into a strong thermoset elastic product, which makes it a very stable polymer and performs excellent with ozone resistance and weathering.

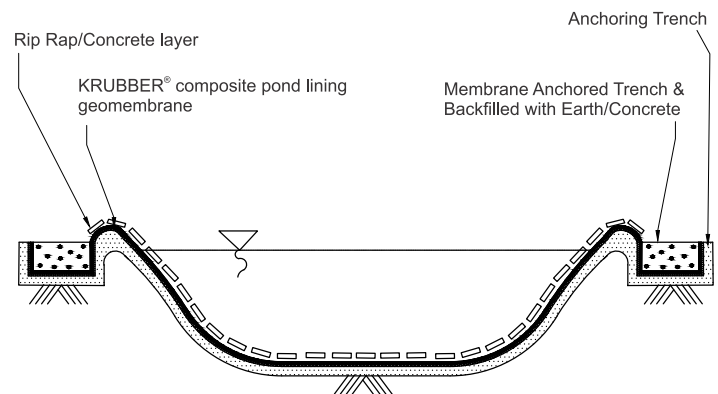
Benefit

- ROBUST AND TOUGH AGAINST WEAR AND TEAR
- HIGHLY ELASTOMERIC FOR BETTER ELONGATION
- CHEMICAL RESISTANCE AGAINST AGGRESSIVE GROUNDWATER CONDITIONS
- EASE OF INSTALLATION RESULTING IN FASTER COMPLETION
- COMPOSITE EFFECT IMPARTS STRONG AND PERMANENT BOND WITH FINAL PROTECTIVE COURSES
- DIMENSIONAL STABLE AND NO DEFORMATION
- UNIQUE ELASTOMERIC TERPOLYMER FORMULATIONS FOR LONG SERVICE LIFE OF PONDS
- ROOT PENETRATION RESISTANCE
- HIGH FRICTION ANGLE FOR EASY INSTALLATION

Compliance with standards:

KRUBBER® COMPOSITE POND LINING GEOMEMBRANE

confirms to the material specification under **ASTM 7645** and **ASTM 4637**



Pond liner geomembrane

The composite Elastomeric Terpolymer pond liner shall comply and meet to following technical properties and characteristics:

Table 1: Pond liner geomembrane

No.	Parameter	Test Method	Test Values
1	Thickness of Elastomeric Terpolymer Composite with 200 GSM Geotextile on both the sides	ASTM D-412	2.0mm (+15% / -10%)
2	Thicknesses of Elastomeric Terpolymer Core (mm)	ASTM D-412	1.5mm (+15% / -10%)
3	Specific Gravity of Elastomeric Terpolymer Core	ASTM D-297	1.23 (+/- 10%)
4	Weight per SqM of Elastomeric Terpolymer Composite (kg)	-	2.0 (+/- 10%)
5	Tensile Strength (Mpa)	ASTM D-412	9 (Min)
6	Elongation ultimate (%)	ASTM D-412	300 (Min)
7	Tensile Set (%)	ASTM D-412	10 (Max)
8	Tear Resistance (kN/m)	ASTM D-624	26.27 (Min)
9	Brittleness Point (°C)	ASTM D-2137	(-45) Max
10	Ozone Resistance No Cracks	ASTM D-1149	Pass
11	Heat Aging Tensile Strength (MPa) Elongation Ultimate (%) Tear Resistance (kN/m) Liner Dimension Change Max (%)	ASTM D-573 ASTM D-412 ASTM D-412 ASTM D-624 ASTM D-1204	8.30 (Min) 200 (Min) 21.9 (Min) ±1
12	Water Absorption Mass (%)	ASTM D-471	+8,-2
13	Weather Resistance Visual Inspection No Cracks or Cracking	ASTM G -155 ASTM G-151 ASTM D-518	Pass
14	Puncture Resistance (Kgs)	ASTM D-5602	32

KRUBBER® COMPOSITE POND LINING GEOMEMBRANE Thickness:

Elastomeric Terpolymer composite	Composition	
	Elastomeric terpolymer core	Fleece
1.8 mm	1.5mm	150 GSM
2 mm	1.5mm	200 GSM
2.5 mm	1.5mm	300 GSM

Application areas:

- Reservoirs
- Canals
- Artificial ponds
- Tailing Ponds
- Sewage and effluents ponds
- Wastewater ponds
- Dam Upstreams
- Aqueducts
- Swimming pools
- Fish Ponds
- Landfill capping
- Mining waste containment

Roll sizes:

Standard: 1.5mtr X 30 mtrs

Accessories:

KRUBBER® Adhesives



KRUBBER® lapseal





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