

# ProLiner® CM – Composite Membrane



## TECHNICAL DATA SHEET

ProLiner® CM is a geomembrane composite, comprised of 2 layers of geotextile and a layer of geomembrane heat bonded together by extrusion laminating. The product is suitable for seepage reduction, canal lining or channel lining, protection, separation and horizontal drainage. Among these, anti-seepage and canal lining for transport of water in open channels are the primary functions. Seepage can be controlled in projects such as earthen or rock filled dams, concrete dams, sewage ponds, channels, reservoirs, and subway/tunnel basement linings.

This material shortens the construction time for projects and can reduce costs associated with hydraulic engineered lining/cut-off systems. The geotextile layers are securely laminated on either side of the membrane core ensuring, the lining can be installed with immediate protection against potential damage during installation.

## MECHANICAL PROPERTIES

Properties	Standard		Unit	ProLiner CM
Mass Per Unit Area	[ASTM D 5261]	Typical	g/m <sup>2</sup>	1250
Grab Strength	[ASTM D 4632]	Typical	N	2000
Grab Elongation	[ASTM D 4632]		%	50
Trapezoidal Tear	[ASTM D 4533]	Typical	N	800
Puncture resistance	[ASTM D 4833]	Typical	N	1000

## PHYSICAL IDENTIFICATION PROPERTIES

Geomembrane Thickness [ASTM D 5199]		mm	0.75
Geotextile Layer Upper and Lower Unit Mass	Typical	g/m <sup>2</sup>	280
Roll Length		m	50
Roll Width		m	5.8

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