



# Verdaliner 380 Reinforced Synthetic Polyethylene Geomembrane

Roofing and waterproofing solutions to facilities designed for temporary storage of waste. Barriers to permanent closure and / or temporary in landfills (leachate and odors reduction). Reclamation with permanent safety measures for contaminated sites (fumes, odor and dust suppression), waterproofing systems for biopiles, bioreactors and biological treatment beds.

## Basic fabric

Geomembrane green, made with a triple coated low density polyethylene (LDPE), reinforced with armor inner lining of high density polyethylene (HDPE). The geomembrane is UV stabilized.

## Technical specification

Item	Values	Test methods
Weight	380 [g/m <sup>2</sup> ]	UNI EN 1849-2
Thickness	0,6 [mm]	UNI EN 1849-2
Tensile strength MD	28 [kN/m]	UNI EN ISO 527-4
Tensile strength CMD	26 [kN/m]	UNI EN ISO 527-4
Elongation at maximum load MD	30 [%]	UNI EN ISO 527-4
Elongation at maximum load CMD	24 [%]	UNI EN ISO 527-4
Static puncture resistance	4,3 [kN]	UNI EN ISO 12236
Shear strength of joints	964 [N]	UNI EN ISO 12317-2
Temperature resistance (Range)	- 30° ≤ T°C ≤ 70°	-
UV resistance (Grade)	360 kLy	DIN 54004
Liquid permeability	< 10 <sup>-6</sup> [m <sup>3</sup> ·m <sup>-2</sup> ·d <sup>-1</sup> ]	UNI EN 14150
Gas tightness	< 40·10 <sup>-6</sup> [m <sup>3</sup> m <sup>-2</sup> d <sup>-1</sup> ]	ASTM D 1434
Resistance to weathering	Variation of tensile strength and tensile elongation ≤ 25%	UNI EN 12224
Resistance to oxidation	Variation of tensile strength and tensile elongation ≤ 25%	UNI EN 14575
Size available	Standard: Max width 20m	
Cover Up factory pre-welded membranes can be delivered as:	Custom: Max width: 50m	

The technical data above are derived from accurate laboratory tests performed by the manufacturer. Tolerance 10%.

## Specialists in Geosynthetics & Erosion Control