Specialist Geomembranes

Technical Data Sheet

Landflex™ PVC1100PG



This cloth reinforced PVC geomembrane possesses a greater puncture resistance than plain unreinforced polymers due to the multi-ply nature of the material with 2 layers of polymer, one on either side of the high tenacity base cloth. The high tensile strength of the polyester material gives the geomembrane a very tough tear strength and with the good adhesion properties of the polymer to the cloth, offers excellent resistance to mechanical damage.



The information herein is based upon data obtained by the manufacturer and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

Material Properties	Unit	Test Method	Typical Values
Base cloth	-	-	PES / PES
Total weight	g/m²	-	1100
Base cloth weight	g/m²	-	275
Base cloth construction	-	-	Panama 2/2
Width	cm	-	265
Construction	threads / cm	-	12 / 13
Coating calender	-	-	Dull
Lacquering	-	-	Dull lacquer
Breaking strength	N/5cm	-	4000
Tear strength	N	-	600
Adhesion	N/5cm	-	100
Temperature resistance	°C	-	-30 to +70
UV Stability	kLy	-	600
Lightfastness	-	-	8+
Colour	-	-	Beige 1695 / NATO Green RAL 6014
Special properties	-	-	For contact with potable water and food on beige side only



Example application:
Potable water storage bladder

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