

PRODUCT

GREENTANK SA HDPE 3 MM

ISSUED

EN-00-
02/22

TECHNICAL CHARACTERISTICS

CHARACTERISTIC	TEST METHOD	UNITS	NOMINAL VALUES	TOLERANCES
Visible defects	EN 1850-1	visible	Without defects	
Length	EN 1848-1	m	10,00 -1	MLV
Width	EN 1848-1	m	1,000 -1%	MLV
Straightness	EN 1848-1	mm	20 mm x 10 m	Pass
Thickness	EN 1849-1	mm	3,0	± 10%
Watertightness (A)	EN 1928	kPa	> 60	MLV
External fire performance	EN 13501-5	Class	F Roof	NPD
Reaction to fire	EN 13501-1	Class	E	Pass
Shear resistance longitudinal / transversal	EN 12317-1	N/50 mm	550 / 450	± 20%
Tensile Strength Longitudinal / Transversal	EN 12311-1	N/50 mm	600 / 500	± 20%
Elongation at break Longitudinal / Transversal	EN 12311-1	%	35 / 35	- 15 absolut
Resistance to impact	EN 12691	mm	1250	MLV
Resistance to static loading Method A	EN 12730	Kg	25	MLV
Resistance to tearing (nail shank)	EN 12310-1	N	200 / 200	- 30%
Resistance to root penetration	EN 13948	Visible	pass	MLV
Dimensional stability Longitudinal / Transversal	EN 1107-1 met. A	%	± 0,3 %	MLV
Flexibility at low temperature	EN 1109	°C	-25	MLV
Flow resistance at elevated temperature	EN 1110	°C	100	MLV
Durability of watertightness against chemicals	EN 1847 / EN 1928	Kpa	> 60	
Artificial Ageing by long time exposure to UV ray combined to high temperature and heat. Resistance to water penetration.	EN 1296 / EN 1928	Class	> 60	MLV
Self Adhesion properties	ASTM D 1000	N/10 mm	20	-5
Determination of water vapour transmission properties - Water vapour resistance factor (μ)	EN 1931	-	120.000	MLV
Determination of water vapour transmission properties - Water vapor diffusion (Sd)	EN 1931	m	360	MLV
Minimum value of recycled content	EN ISO 14021	%	12	MLV

FURTHER INFORMATION

Notification code	1381
Certificate number	1381-CPR-381
Reference norme	EN 13707 / EN 13969
Reinforcement	Polyester non-woven reinforced with glassfibre
Compound	Upper compound: Innovative H.R.C. (High Recycled Content) compound with a specific formulation consisting of bitumen modified with high quantities of special polymers coming from the most modern recycling plants. Specially selected by General Membrane's Research and Development laboratory, these polymers guarantee excellent compatibility with bitumen, maintaining the same performance of the standard bituminous waterproofing compounds and lowering environmental impact. Lower compound: Elastomer (SBS) modified bitumen self adhesive.
Surface Finishing	Upper surface: High Density Polyethylene (HDPE) and silicon release film on the overlap area. Lower surface: silicon release film
Application method	Lay down the membrane by removing the protective silicon film, roll the overlaps with the apposite roller. If is necessary dry the upside part of the joint area with hot hair.
Field of application	Foundation and tanking: post applied on retaining walls



Legenda:

- 7a - Membranes for stopping the humidity - type A
7b - Membranes for stopping the humidity - type T

In terms of the Italian Ministerial Decree n° 65 of 14th March 2003, which sets out 'Classification, labelling and packaging of dangerous preparations in execution of the Directives issued by the Council and by the Commission of the European Community' the product does not contain dangerous elements. In accordance with the norm EN 13707 (October 2004) the water vapour transmission factor μ can be taken as >20.000.

All membranes made by GENERAL MEMBRANE SpA are manufactured by using unbound asphalt and do not contain tar from coal, asbestos, chlorine, used and/or refined, are recyclable and are not dangerous waste.

The release of a safety data sheet for this product is not compulsory, in any case an informative document is available for the correct use of the product.


www.generalmembrane.it
