

DESCRIPTION

INDOPLAST is a plastomeric Modified Bitumen Membrane used for various waterproofing applications. It is manufactured in a high-tech calendaring process, which involves the saturation and coating of a polyester carrier with an APP polymer modified bitumen compound. The polymer additives are used to improve the thermal, chemical and ageing properties of the bitumen compound. Meanwhile, the mechanical characteristics such as tensile strength, elongation and tear resistance are boosted by the non-woven polyester carrier, which acts as a reinforcement to the product.

KEY FEATURES

- Absolute impermeability to water
- High chemical resistance to alkaline solutions, light acidic solutions and bacteria
- Thermal resistance under a wide range of temperature fluctuation
- Excellent U.V. resistance when surface is finished with slates
- Ease of adhesion to a wide variety of surfaces
- Applicable for above and below grade usages

APPLICATIONS

INDOPLAST membranes are used for a wide variety of waterproofing requirements and in applications subject to high mechanical stresses, such as:

- Roofing or re-roofing for single or multi-layer systems
- sloped and flat roofs
- tunnels, wet areas, swimming pools and toilets
- foundations and underground structures

STORAGE

INDOPLAST should be stored in an upright position in a dry, flat and ventilated storage area away from direct sunlight.

INSTALLATION

Please refer to the **INDOPLAST** applicator guide for complete instruction on the application of the product






- Due to continuous product development, **INDOPLAST** reserves the right to modify technical specifications without prior notice.
- Membranes with a color slated surface finish may notice a change of color variations in form of oily marks, caused by migration of natural bitumen oils and exposure to atmospheric agents. This occurrence has no effect on the product's performance what so ever and becomes uniform gradually by time.
- This publication revokes any previous one. Issue. 1 / © 2017
- PES: Non-Woven Polyester Reinforcement.

Certificate Number
UNI - EN 13707
CE Marking 2006
ISO 9001-EN 29001 Certified AFAQ

INDOPLAST	
Thickness	4,2 mm confirm EN 1849-1 2000
Kg / m ²	4,9 kg/sqm confirm EN 1749-1 2000
Dimensions (m)	10 x1 confirm EN 1849-1 : 2000
m ² / roll	10
Rolls / pallet	20
Storage	Vertical
Max storage time	2 year, protected against weathering, upright on pallets.

TEST	UNIT	TOLERANCE	TEST METHOD	RESULTS
Cold Temperature flexibility	° C	MLV ≤	EN 1109	0 ± 2
Thickness	mm	MDV ± 5%	EN 1849-1	4
Roll Width	m	MDV ± 1%	EN 1849-1	1
Roll Length	m	MDV ± 1%	EN 1849-1	10
Penetration @ 25 °C	dmm	MDV ± 5%	ASTM D-5	25
Softening Point (R&B)	° C	MLV ≤	ASTM D-36	150
Resistance to Static Loading	Kg	MLV ≥	EN 12730	10
Resistance to Impact Loading	mm	MLV ≤	EN 12691	900
Flow Resistance at Elevated Temperature	° C	MDV -10	EN 1110	120
Dimension Stability	%	-	EN 1107-1	± 0.7
External Fire Performance	-	-	EN 13501-5	F Roof
Reaction To Fire	-	-	EN 13501-1	F
Water Tightness Method A	60 Kpa	-	EN 1928:2000	PASS
Average Loss of Slates	%	MLV ≤	EN 12039	30
TENSILE STRENGTH (MAX)				
Longitudinal	N/5cm	MDV ± 20%	EN 12311-1	600
Transverse	N/5cm	MDV ± 20%	EN 12311-1	400
ELONGATION @ BREAK				
Longitudinal	%	MDV ± 15%	EN 12311-1	30
Transverse	%	MDV ± 15%	EN 12311-1	35



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Thickness
4,2 mm

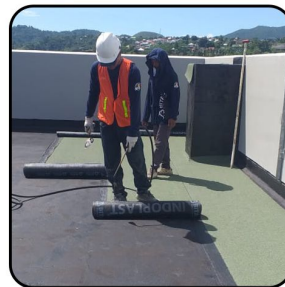
Dimensions
10x1 m



Apply Bitafix primer 0,2 kg/ m²



Allow to dry at last 4-6 H



Install the Indoplast membrane over the surface



Make sure the Indoplast membrane installed perfectly



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Disclaimer : the use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damaged arising from incorrect usage. Specification are subjected to changes without prior notice.

