

	Product Technical Information	Number	IT.002
		Date of issue	29.10.2018
		Version	7.0
		Damp insulation	

A three-layer membrane for horizontal damp-proofing PP/PE/PP AlphaPro

1. **Technical specifications:** PN-EN 14909:2012, Flexible sheets for waterproofing – Plastic and rubber damp proof courses – Definitions and characteristics
2. **Manufacturer/Place of production:** Alpha Dam Sp. z o.o., 87-207 Dębowa Łąka 45, Poland
3. **Description of product:** The three-layer membrane consists of a polyethylene core and has a lamination with polypropylene unwoven fabric on both sides. Due to the used production technology the AlphaPro membrane is very firm and light. The outside covering perfectly links to masonry mortar and concrete mortar.
4. **Purpose and range of applications:** Plastic or rubber sheet used on or under floors/ground slabs or in walls to prevent liquid water not under hydrostatic pressure passing from the ground into the internal environment
5. **Method of placement:**
 - 5.1. horizontally on bedding concrete or on a base made of e.g. compacted sand
 - 5.2. vertically, e.g. in formwork before concreting, put directly to the wall or to the thermally insulating panel
6. **Information for the user:**
 - Placement conditions:
An AlphaPro membrane placement should be carried out under conditions, which enable normal masonry work. Placements should not be carried out at temperatures below -5 °C.
 - Use conditions:
A damp-proofing with AlphaPro membranes should be carried out according to a technical project prepared in compliance with valid building code.
 - Bonding:
AlphaPro should be joined using a polymer adhesive or a double-sided butyl tape. When using both methods there should be an overlap of minimum 5 cm in width.
 - Storage:
Before the use at construction site an AlphaPro membrane should be stored in its original packing protected against solar radiation.
7. **Information on the CE marking:**



In accordance with the requirements ensuing from the standard PN-EN 14909:2012.

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8. Product characteristics:

Essential characteristics	Unit	Performance
Visible defects	-	None
Length	m	30 (0% to +5%)
Width	m	0,25 – 1,5 (±5%)
Straightness	mm	≤ 75/10 m
Thickness	mm	1,00 (±5%)
Mass	kg/m ²	0,630 ±10 %
Watertightness	60 kPa Method B	Watertight
Watertightness	0,1 MPa Method B	Watertight
Watertightness	2kPa Method A	Watertight
Resistance to impact	mm Method A	≥ 300
Durability - after artificial aging process - after exposure to alkalis	- -	Fulfils test requirements
Resistance to low temperature	°C	≤ -25
Joint strength – Joint glued with polymer cement and butyl tape - longitudinal lap joint - transverse lap joint	N/50 mm N/50 mm	≥ 250 ≥ 350
Joint strength – Joint glued with double-sided butyl tape - longitudinal lap joint - transverse lap joint	N/50mm N/50mm	≥ 150 ≥ 200
Water vapour transmission properties	Sd	≤ 3.245 m
Resistance to static loading	kg	≥ 20
Reaction to fire	class	E
Danger substances	-	none

For the producer signed (s):



Proxy Iwona Majek

Dębowa Łąka, 29 Oktober 2018