
	<b>Product Technical Information</b>	Number	IT.002
		Date of issue	13.07.2016
		Version	5.0
		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 also light. The outside covering perfectly links to masonry mortar.
4. **Purpose and range of applications:** The purpose of damp proof courses is to prevent water rising up all from the ground, water moving from one part of a wall to another and to deflect water from an inner wall of a cavity wall construction to the exterior of the building.
5. **Method of placement:** placement between 2 layers of masonry mortar.
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:  
The AlphaPro parts should be bond by pressure welding with hot air. A bonding with a polymer adhesive is also possible. 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 <sup>2</sup>	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 – Thermal joint - longitudinal lap joint - transverse lap joint	N/50 mm N/50 mm	≥ 250 ≥ 400
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):

*Maja Iwona Majek*

Proxy Iwona Majek

Dębowa Łąka, 13 July 2016