

	<b>Product Technical Information</b>	Number	IT.010
		Date of issue	04.09.2018
		Version	5.0
		Damp insulation	

## Membrane of the elastomer for horizontal damp insulation of buildings AlphaHP Ultra

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:** Single-layer membrane of elastomer
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:** between the foundation wall and the aboveground part of the building, also under the concrete screed between the parts of the building structure.
6. **Information for the user:**
  - Placement conditions:  
An **AlphaHP Ultra** 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 **AlphaHP Ultra** membranes should be carried out according to a technical project prepared in compliance with valid building code.
  - Bonding:  
The **AlphaHP Ultra** parts should be bond by pressure welding with hot air. A bonding with a polymer EPDM 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 **AlphaHP Ultra** 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	20 or 25 (0% to +5%)
Width	m	0,06 – 0,60 (-0,5% to +1%)
Straightness	mm	≤ 75/10 m
Thickness	mm	0,750 (±5%)
Mass	kg/m <sup>2</sup>	0,750 (min. 675, max. 825)
Watertightness	2kPa Method A	watertight
Watertightness	60kPa Method B	watertight
Watertightness after artificial aging process	60kPa Method B	watertight
Resistance to tearing (nail shank)		
- longitudinal lap joint	N	160
- transverse lap joint	N	180
Joint strength		
- longitudinal lap joint	N/50 mm	≥ 134
- transverse lap joint	N/50 mm	≥ 139
Durability		
- after artificial aging process	2 kPa Method A	watertight
- after exposure to alkalis		
Resistance to impact	mm Method B	≥ 2000
Resistance to impact	mm Method A	≥ 300
Resistance to static loading	kg	≥ 20
Resistance to low temperature	°C	≤ -30
Resistance to effects of asphalt (watertightness)	40 kPa	watertight
Water vapour transmission properties:		
1. Water vapour stream density:	g[kg/(m <sup>2</sup> s)]	2,54 x 10 <sup>-8</sup>
2. Water vapour diffusion resistance:	(m <sup>2</sup> s Pa)/kg	8,33 x 10 <sup>+11</sup>
3. Diffusion resistance coefficient:	<b>μ</b>	17.992,4
4. Sd value:	Sd[m]	16,195
Reaction to fire	class	E
Danger substances	-	none

For the producer signed (s):



Proxy Iwona Majek

Dębowa Łąka, 4 September 2018