

alphathorix

Self-adhesive EPDM two-layer (reinforced) waterproofing membrane AlphaThorix



alphadam

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Technical Specification

PN-EN 13956:2013-06 Flexible sheets for waterproofing – Plastic and rubber sheets for roof waterproofing – Definitions and characteristics.

Manufacturer/place of manufacture

Alpha Dam Sp. z o.o., 87-207 Dębowa Łąka 45.

Product description

Reinforced Two-Layer Self-Adhesive EPDM membrane. The core stabilisation is made from glass fiber woven mesh. Through the use of innovative technology, the AlphaThorix membrane has very robust mechanical properties and is resistant to UV-radiation and Ozone.

Purpose and scope of application

AlphaThorix is made of EPDM rubber, reinforced with glass fiber woven mesh, designed for insulation as a waterproof layer that protects building constructions against penetration of water, humidity and damp.

User's Information

- The assembly should take place in accordance with the rules of craftmanschap, current technical knowledge and assembly instructions.
- The AlphaThorix membrane should be laid in conditions allowing normal construction work, do not be laid at a temperature below + 5°C.
- AlphaThorix can be glued to the substrate with a 1 mm thick butyl adhesive. This is a sufficient amount of glue that allows the tape to stick even to uneven surfaces or to seal small cracks. Butyl glue can be used on porous or moisture absorbing surfaces.
- Prepare the substrate before gluing. When using a special primer for butyl, we obtain excellent adhesion even to a substrate as porous as smooth concrete. In particular, when used on vertical planes, it is required to use the a primer, according to the manufacturer's technical instructions.

Seasoning

The storage period of AlphaThorix in the original packaging is without limitation

Storage

AlphaThorix rolls should be stored and transported in a cool and dry atmosphere (+ 5 ° C and + 25 ° C) in a standing position. Pallets should be not stacked on top of each other.

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Warranty

The warranty covers the watertightness of the product for a period of 10 years from the date of purchase of the product. the warranty provisions only apply if:

- Use of the product in accordance with the Product Technical Informatio. Excellent bonding can be expected only in combination of a primer.
- Product storage in accordance with the Product Technical Information.
- The above guidelines are based on the current state of our knowledge, experience and research results. They do not carry legal liability and do not exempt the contractor from liability for the work performed and the need to adapt to the conditions at the site. While carrying out the works, the relevant standards and generally accepted rules of the building art should be observed, as well as the conditions prevailing at the construction site.
- Documentation of purchase based on purchase invoice and product ID number.

Information on CE marking

In accordance with the requirements resulting from the EN 13956: 2013-6 standard



16 Factory Production Control Certificate No: 1023-CPR-0722 F for AlphaThor and AlphaThorix

Packaging specification

<i>Width of roll</i>	<i>Weight of roll</i>	<i>No. of rolls on pallet</i>
150mm x 10m	3,4 kg	200
200mm x 10m	4,6 kg	160
250mm x 10m	5,0 kg	120
300mm x 10m	7,0 kg	100
450mm x 10m	10,5 kg	70
600mm x 10m	14,2 kg	50

Technical Data Sheet

<i>Essential characteristics</i>	<i>Unit</i>	<i>Useful properties AlphaThorix</i>
<i>Visible defects</i>	-	<i>non</i>
<i>Length</i>	<i>m</i>	<i>20 (0% up to +5%)</i>
<i>Width</i>	<i>m</i>	<i>0,15 – 0,60 (0% up to +1%)</i>
<i>Straightness</i>	<i>mm</i>	<i>≤ 30/10/ m¹</i>
<i>Thikness</i>	<i>mm</i>	<i>0,800 (±5%)</i>
<i>Weight</i>	<i>kg/m²</i>	<i>0,820 (±5%)</i>

Technical Data Sheet (continuation)

Waterthightness	10 kPa method B	waterproof
Strength of joints (welding with hot air)		
• longitudinal overlap	N/50 mm	≥ 203
• cross overlap	N/50 mm	≥ 198
Shear strength of joints:		
• longitudinal overlap	N/50 mm	≥ 237
• cross overlap	N/50 mm	≥ 263
Mechanical properties at stretching		
Maximum force		
• longitudinal overlap	N/50mm	≥ 700
• cross overlap	N/50mm	≥ 600
Stretching		
• longitudinal overlap	%	≥ 3
• cross overlap	%	≥ 2
Impact resistance	mm methode A	≥ 200
Resistance to static loading	kg methode B	≥ 20
Tear strength		
• longitudinal overlap	N	≥ 185
• cross overlap	N	≥ 144
Stability of dimensions		
• longitudinal overlap	ΔL [%]	≤ 0,07
• cross overlap	ΔL [%]	≤ 0,10
Flexibility at low temperatures	°C	≤ -30
Resistance to UV radiation	1000 h 160MJ/m ²	pass
Resistance to hail	m/s	≥ 19
Resistance to vapor penetration		
• The density of water vapor stream	g[kg/(m ² s)]	$4,44 \times 10^{-9}$
• Diffusion resistance of water vapor	(m ² s Pa)/kg	$5,06 \times 10^{+11}$
• Diffusion resistance factor	μ	98396,9
• Sd-Value	Sd[m]	98,397

On behalf of the manufacturer, signed:

Majek Iwona

Proxy Iwona Majek
Dębowa Łąka, 24 January 2019