EPDM roofing tape from EPDM rubber AlphaWave and AlphaFlex

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

2. Manufacturer/production site: Alpha Dam Sp. z o.o., 87-207 Dębowa Łąka 45

3. Product description: Roofing tape of ethylene-propylene-dien terpolymer (EPDM), reinforced with an aluminium mesh. Available in three versions, as: AlphaWave Basic, AlphaWave Flat and AlphaFlex.
   3.1. AlphaWave Basic is a self-adhesive roofing tape, knurled on one side, upgraded on one side, along the entire width, with a butyl tape, additionally pleated for optimal stretching, bending and forming on roof covers with a varied profile.
   3.2. AlphaWave Flat is a self-adhesive roofing tape, knurled on one side, upgraded on one side, along the entire width, with a butyl tape.
   3.3. AlphaFlex is a roofing tape, knurled on both sides.

4. Intended use and the scope of application: The AlphaWave roofing tape is made of EPDM rubber and is intended for applications, in which products are exposed to elements. AlphaWave is suitable for many types of roofing works, and in particular at locations, where a water-tight joint between objects on the roof should be achieved (roof window, chimney, ventilation outlet, fan, etc.) and the roof covering surface. AlphaWave may be stretched on one or both longitudinal edges by up to even 30%, and is thus suitable for water-tight joints with ceramic tiles or metal roofing tiles.

5. 5Application method: Manual application and pressing after initial removal of the film protecting the glue layer

6. 6. Information for the user:
   - Application conditions:
     The AlphaWave tape should be applied under conditions allowing standard masonry works, do not apply at temperatures below -5oC. At low temperatures and with wet substrates, the substrate onto which AlphaWave is applied should be dried and heated using hot air..
   - Conditions of use:
     Execution of a water protective measure using the AlphaWave roofing tape should take place according to a technical project prepared according to the effective construction regulations.
   - Joining:
     AlphaWave parts should be joined using butyl glue, in order to improve mechanical properties of the joint, a polymer glue may be used in addition to the polymer glue. Use an overlap with a minimum width of 10 cm in any case.
   - Storage:

AlphaWave should be stored before use at the construction site, in its original packaging and protected against contamination. AlphaWave rolls should be protected before assembly against sunlight and high temperatures. In order to ensure optimal consistency and gluing force of the butyl glue, store AlphaWave at room temperature until application.
The maximum period of time for application of the butyl glue is 12 months from the production date.

7. Information about the CE mark:

CE 12

According to the requirements resulting from the PN-EN 13956:2013-06 standard
Number of the Certificate of Compliance of the Site Production Control for AlphaWave Basic is no. 1434-CPR-0252
Number of the Certificate of Compliance of the Site Production Control for AlphaWave Flat is no. 1434-CPR-0253
Number of the Certificate of Compliance of the Site Production Control for AlphaFlex is no. 1434-CPR-0254

8. Product specification:

Main characteristics	Unit	Functional properties	
		AlphaWave	AlphaFlex
Visible faults	-	None	none
Length	m	5 or 10 (0% do +5%)	5 or 10 (0% do +5%)
Width	m	from 0,15 to 0,60 (od -0,5% do +1%)	0,10 to 0,60 (od -0,5% do +1%)
Linearity	mm	≤ 50/10	≤ 50/10
Thickness without the butyl tape	mm	1,5 (±5%)	2,3 (±5%)
Specific weight without the butyl tape	kg/m^2	1,690 (±5%)	2,550 (±5%)
Fire reaction	class	E	E
Water tightness	10 kPa, method B	meets requirements	meets requirements
Resistance to stretching: - Longitudinal direction - Transversal direction Relative elongation: - Longitudinal direction - Transversal direction	 N/50 mm N/50 mm % %	 ≥ 200 ≥ 300 ≥ 200 version Basic ≥ 60 version Flat ≥ 20	 ≥ 200 ≥ 300 ≥ 100 ≥ 20
Resistance to static loads	kg	≥20	≥ 20
Impact resistance	mm	≥ 500	≥ 500
Resistance to hail: Soft substrate: - Hard substrate:	m/s	 ≥ 22 ≥ 33	 ≥ 22 ≥ 33

Resistance to tearing Longitudinal direction: - Transversal direction:	N	≥ 80 ≥ 80	≥ 80 ≥ 80
Joint resistance to peeling: Longitudinal direction: - Transversal direction:	N/50 mm	≥ 1,2 ≥ 1,1	≥ 1,2 ≥ 1,1
Shearing resistance of the joint Longitudinal overlap - Transversal overlap	N/50 mm	≥ 45 ≥ 60	≥ 45 ≥ 60
Dimensional stability: - Longitudinal: - Transversal:	%	0,0 0,0	0,0 0,0
Bending resistance at low temperatures	°C	≤ -40	≤ -40
UV exposure	1000 h	meets requirements	meets requirements
Resistance to artificial ageing though long-term influence of elevated temperature	8 h 100 °C	meets requirements	meets requirements
Hazardous substances	-	NPD	NPD

Signed on behalf of the manufacturer:

Representative for Integrated Management Systems
Dębowa Łąka, 24nd April 2024