

Product Data Sheet

No.: IT-16/2014/eng rev.5

Date: 20.02.2020

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BMI Icopal Sp. z o.o.
98-220 Zduńska Wola
ul. Łaska 169/197
Poland

Plaster AL

1. Product trade name: Vapour barrier bitumen sheet Plaster AL

2. Technical specification:

PN-EN 13970:2006 + PN-EN 13970:2006/A1:2007 IDT. EN 13970:2004 + EN 13970:2004/A1:2006
Flexible sheets for waterproofing – Bitumen water vapour control layers – Definitions and characteristics

3. Manufacturer: BMI Icopal Sp. z o.o., 98-220 Zduńska Wola ul. Łaska 169/197, Poland

4. Description of the product:

sheet with glass fleece reinforcement, coated with SBS modified bitumen with mineral filler and with SBS modified bitumen with self adhesive supplement. Top side is covered with AL foil and with ca. 80 mm removable foil selvedge, self-adhesive bottom side is covered with removable siliconized foil.

5. Type of application: for bitumen water vapour control layers in buildings –vapour barrier.

6. Method of application: the sheet should be adhered to a properly prepared substrate using self-adhesive properties of the bitumen blend on the bottom side of the sheet.

7. Information for users:

Conditions of application:

the roofing sheet should be applied on a roof when the temperature does not fall below 0 °C. It should not be applied: on a wet roof surface, on a roof covered with ice, during rain or snow falls or during strong wind.

Conditions of usage:

waterproofing made with the use of Plaster AL should be done according to a technical project complying with binding building regulations and detailed guidelines included in the manual issued by the producer.

Storage:

the rolls should be stored in rooms and should be protected against moisture and exposure to sunlight or source of heat. The rolls should be stored on an even surface in upright position, in one layer.

Transport:

the rolls should be transported in covered trucks, in upright position in one layer, protected against falling over and any other damage. Rolls should be placed in a way preventing their dislocation during transport.

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**8. Product performance:**

	Characteristic	Test method/ Classification	Units	Value or statement
1.	Visible defects	EN 1850-1	----	no visible defects
2.	Length (*)	EN 1848-1	m	≥ 20,0
3.	Width (*)	EN 1848-1	m	≥ 1,0
4.	Straightness	EN 1848-1	----	deviation: ≤40 mm / 20 m or proportional for other lengths
5.	Thickness	EN 1849-1	mm	1,8 ± 0,2
6.	Watertightness	EN 1928	----	watertight
7.	Tensile properties: maximum tensile strength -longitudinal direction, -transverse direction	EN 12311-1	N/50 mm	600 ± 100 400 ± 100
8.	Tensile properties: elongation -longitudinal direction -transverse direction	EN 12311-1	%	5 ± 2 4 ± 2
9.	Water vapour transmission properties	EN 1931	----	Sd (m) = 1750 ± 250
10.	Durability: water vapour resistance after artificial ageing	EN 1931 EN 1296	----	pass
11.	Resistance to tearing (nail shrank) -longitudinal direction, -transverse direction	EN 12310-1	N	NPD
12.	Resistance to impact	EN 12691	mm	NPD
13.	Flexibility at low temperature	EN 1109	°C	-25 /Ø30 mm
14.	Flow resistance at elevated temperature	EN 1110	°C	110
15.	Shear resistance of joints -longitudinal direction, -transverse direction	EN 12317-1	N/50 mm	NPD
16.	Reaction to fire	EN 13501-1	----	Class E

(*) there is a possibility to produce the sheet of different length and/or width on condition that the length and/ or width specified in tests is not lower than declared.