

COMPLETE INFORMATION OF POLITABER AUTOADHESIVA ANTI RADON



See: DoP_I_60079_POLITABER AUTOADHESIVA ANTI RADON_v01

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Sheet description:

Sheet of 1m x 20m and 1.5 kg/m² of self-adhesive elastomeric bitumen (SBS), without reinforcement, removable silicone plastic interior finish and exterior finish with aluminum complex metal foil and polyester film (alupol complex, AL+PET). Natural aluminum colour. Place adhered on the support primed with bituminous emulsion, and sealed in its longitudinal overlaps (> 8 cm). and transverse (> 10 cm). Self-adhesive film, installation without a flame torch. CE marking according to UNE-EN 13707 standard.

Recommended for: protection against radon in residential, industrial or tertiary buildings; sheet for barrier against radon gas, sheet recommended as a vapor barrier in conventional roofs with concrete support or metal roof, deck type.

TEST	METHOD	VALUE	UNIT	TOLERANCE
External fire performance:	EN 13501-5	F _{ROOF(t1)}		
Reaction to fire:	EN 13501-5	Class E	See manufacturer's documentation	
Tensile strength in:	EN 12311-1			
- Longitudinal direction		250	N/5 cm	±100 N/5cm
- Transverse direction		250	N/5 cm	±100 N/5cm
Elongation:	EN 12311-1			
- Longitudinal direction		45	%	±20 %
- Transverse direction		45	%	±20 %
Resistance to a static load	EN 12730	≥ 20	Kg	
Impact resistance	EN 12691	≥ 1500	mmm	
Tear resistance	EN 12310-1	-		
Joint strength (shear) L/T	EN 12317-1	250		±100 N/5cm
Pliability	EN 1109	≤ -20	°C	
Durability	EN 1296	-		
- Pliability			°C	
- Flow resistance			°C	
Watertightness	EN 1928	Pass		
Root resistance (penetration)	EN 13948	-		
Dangerous substances	-	PND		

Pass → Positive or Correct; PND → No Performance Declared - → Not required

OTHER ADDITIONAL FEATURES OF POLITABER AUTOADHESIVA ANTI RADÓN

	METHOD	VALUE	UNIT	TOLERANCE
Designation	AENOR		LBA-15/M-NA	
Visible defects	EN 1850-1		No visible defects	
Mass per unit area	EN 1849-1	1,5	kg/m ²	-5/+10%
Thickness	EN 1849-1	1,2	mm	(± 0.2 mm)
Roll size: (Length x Width)	EN 1848-1	20 x 1	m	≥
Presentation on pallets	-	400	m ²	
Granule loss	EN 12039	-	%	
Dimensional stability:	EN 1107-1	PND	%	
Flow resistance:	EN 1110	≥70	°C	

OTHER ADDITIONAL FEATURES OF POLITABER AUTOADHESIVA ANTI RADON as a radon protection barrier

	METHOD	VALUE	UNIT	TOLERANCE
Diffusion coefficient D against radon gas	ISO/DTS 11665-13	$< 1 \times 10^{-13}$	m ² /s	
Thickness	EN 1849-1	1,2	mm	
radon exhalation	DBHS6 3.1.2.3	0,04	Bq/m ² h	
Limit exhalation, free height, 2,5 m (*)	DBHS6 3.1.2.2	7,5	Bq/m ² h	
Limit exhalation, free height, >10 m (*)	DBHS6 3.1.2.2	30	Bq/m ² h	

(*) Value obtained according to formula DB HS6 December 2019, section 3.1.2.2, considering a design concentration Cd 30 Bq/m³, and a ventilation flow rate of the premises to be protected of 0.1 renewals per hour.

OTHER ADDITIONAL FEATURES OF POLITABER AUTOADHESIVA ANTI RADON as a vapor barrier on conventional roofs

	METHOD	VALUE	UNIT	TOLERANCE
Water vapor resistance factor (**)	EN 13707	20.000	Adimensional	
Water vapor resistance (***)		86,40	MN s/g	
Equivalent air thickness (Sd)		24	m	

(**) Value according to standard EN 13707:2004+A2:2009

(***) Value obtained considering a permeability to water vapor of the air at rest equal to 0.2 gm/MNs according to BS 5250:2002 Annex E.

RECOMMENDATIONS FOR USE, ADEQUATE TO THE "CTE", ACCORDING TO:

- Technical Building Code (CTE), DBHS1 and DBHS6

RECOMMENDATIONS FOR IMPLEMENTATION:

- **Environmental conditions for laying:** a temperature of the environment, the support, and the product $> 5^{\circ}\text{C}$ is necessary. It may require preheating the sheet with a flame torch, depending on temperature, wind and humidity.
- **Conditions of the support:** it must be resistant, with a uniform and smooth surface, be clean, dry and not have stains of grease, oil or suspended fines. In addition, it must be free of foreign elements, loose boluses, or sharp edges that may pose a risk of puncturing the product.
- **The product will be placed adhered to the support previously primed with bituminous primer.** For porous supports (concrete, mortar,...) the support must be treated with a bituminous primer (PRIMER EAL/ PRIMER SR/ SUPERMUL) in a thin layer of 200 to 300 g/m², depending on the type. Wait for the primer coat to dry before placing the product. For non-porous supports such as metal, laminated plasterboard, etc., the sheet can be adhered without primer on the support.
- **Extend the roll of the first row with the desired length.** Roll the sheet from one end to the central part. Make a superficial cut in the transverse direction of the silicone film, and gradually remove the film as the product is unrolled in such a way that the self-adhesive side adheres to the primed support. Press with manual pressure or a soft bristle brush, lightly from the center towards the ends to ensure uniform gluing across its entire width. Repeat the process from the other end. Continue with the next row of sheets. Make longitudinal and transversal overlaps. Firmly press the overlaps between sheets with an elastic roller.
- **In ground installations.** the self-adhesive sheet must be protected with a protective layer of non-woven polypropylene (GEOFIM PP) or polyester (GEOFIM) geotextile, over the placed sheet. Before applying a protective layer of mortar or concrete. Except for installation on the thermal insulation sheet, where it is recommended but not necessary.
- The RAPID BRIC C10 / C 15 / C30 type sheet bands, codes (60020/ 60030/ 60060) may be used for finishing and joints, or for patching punctual perforations. Or use bands of the cut product itself.

ChovA

POLITABER AUTOADHESIVA ANTI-RADON

SELF-ADHESIVE SBS MODIFIED BITUMEN SHEET

TECHNICAL SHEET N° 60079 – REV 1/22 – 28/11/2022

Storage:

- The product must be stored in non-weather conditions, in its original packaging.
- Do not stack sheet pallets during storage.

Expiration:

- The product must be used within six months from the date of manufacture indicated on its label.

The information provided corresponds to data obtained in our own laboratories. This product will maintain these characteristics on average. ChovA, S.A. reserves the right to modify or cancel any parameter without prior notice. The guarantee of ChovA, S.A. is limited to the quality of the product. As for the commissioning, in which we do not participate, the requirements of the execution of the waterproofing specified in the applicable standards must also be met, both in composition of the membranes and in the realization of the same. This technical sheet will be canceled by subsequent revisions and, in case of doubt, request the latest revision. ChovA S.A. disclaims any responsibility for misuse of the product.