

SELF-DAN AL 100

SELF-DAN AL 100 is a waterproofing self-adhesive tape with metallic self-protected external surface. Composed of a self-adhesive polymer bitumen with an upper surface finish of an aluminium foil 60/1000 mm natural colour used as a protective material and a siliconated polypropylene film on the lower face. It comes in rolls of 10 m in length and width: 100 cm.

TECHNICAL DATA	VALUE	UNIT	STANDARD
External fire performance	PND	-	UNE-EN 1187;UNE-EN 13501-5
Reaction to fire	E	-	UNE-EN 11925-2; UNE-EN 13501-1
Watertightness	Pasa	-	UNE-EN 1928
Longitudinal tensile strength	200 ± 100	N/5cm	UNE-EN 12311-1
Transversal tensile strength	200 ± 100	N/5cm	UNE-EN 12311-1
Longitudinal elongation at break	PND	%	UNE-EN 12311-1
Transversal elongation at break	PND	%	UNE-EN 12311-1
Resistance to root penetration	No Pasa	-	EN 13984
Resistance to static loading	PND	kg	UNE-EN 12730
Resistance to impact	PND	mm	UNE-EN 12691
Longitudinal resistance to tearing (nail shank)	PND	N	UNE-EN 12310-1
Transversal resistance to tearing (nail shank)	PND	N	UNE-EN 12310-1
Joint strength: peel resistance	PND	-	UNE-EN 12316-1
Joint strength: shear resistance	200 ± 100	-	UNE-EN 12317-1
Flexibility at low temperature	< -10	°C	UNE-EN 1109
Humidity resistance factor	PND	-	EN 1931

ADDITIONAL TECHNICAL DATA

ADDITIONAL DATA	VALUE	UNIT	STANDARD
Mass per unit area (minimum)	1.35	kg/m ²	-
Nominal thickness	1.5	mm	-
Flow resistance at elevated temperature	> 70	°C	UN-EN 1110
Dimensional stability at elevated temperature (longitudinal)	PND	%	UNE-EN 1107-1
Dimensional stability at elevated temperature (transversal)	PND	%	UNE-EN 1107-1
Adhesion of granules	PND	%	UNE-EN 12039

Membranes thickness tolerance: = -0,3 mm, apart from membranes with thickness 2 and 2,4 mm whose tolerance is =-0,2 mm

SCOPE

Recommended use:

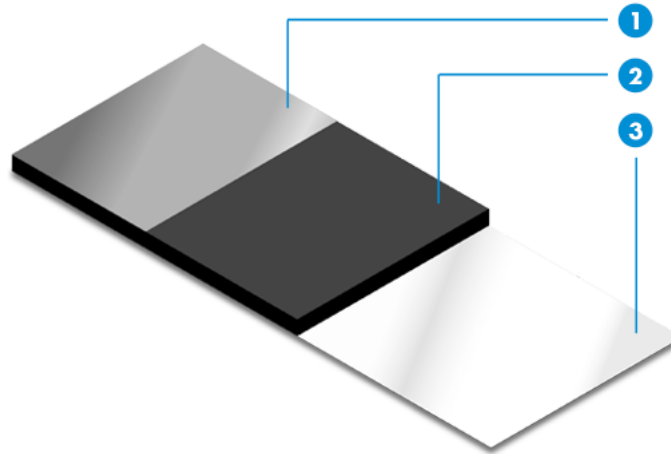
- vapor barrier on roofs and in cold storage.
- pitched roofs timely Rehabilitation aluminum, steel, mortar, concrete, cement, tiles, etc ...
- In general, all types of seals.
- As moisture cut tops of chimneys, meeting with pipes, overalls, carpenters, cracks, downspouts, skylights, etc..
- In auctions auctions hips and valley.
- In meetings with vertical faces inclined coattails.
- Minor repair gutters, downspouts lined.

Other uses:

- Barrera anticapilaridad in boot walls.

PRESENTATION

PRESENTATION	VALUE	UNIT
Length	10	m
Width	1	m
Roll surface	10	m ²
Rolls per pallet	42	rolls
Product Code	205017 Natural	-



1. aluminium foil (60 micron)
2. SBS modified bitumen
3. anti-adherent material

ADVANTAGES AND BENEFITS

SELF-DAN AL 100, to be constituted by a mastic of bitumen modified with SBS polymers, elastomers such substantially improve the rest of mastic asphalt, provides higher performance in behavior at high and low temperatures, elasticity and resistance to aging, leading to a improving the durability of the blade and the safety of the waterproofing membrane.

ADVANTAGES

- total impermeability to water and water vapor.
- Total flexibility of the material for a perfect match to support
- Perfect weather resistance, both at low and at high temperatures.
- Resistant to the action of ultraviolet rays.
- Perfect grip on different types of media (concrete, cement, metal, tile, etc).

BENEFITS - Easy to adapt to the media.

- Easy and quick installation.
- It's sticker, does not require the use of a torch.

Used for all types of sealed, producing an immediate cut of moisture on tops of chimneys, pipes, overalls, carpenters, cracks, downspouts, skylights, etc..

INSTRUCTION FOR USE

- Substrate preparation: - The surface of the support base must be durable, uniform, smooth, be clean, dry and free from foreign bodies.
- The media must be clean and dry to get a good grip, pre-cleaning is recommended for them.
 - In case of porous or between dissimilar media, apply an asphalt primer (Curidán, Impridán 100 Maxdán Maxdán or Rubber) prior to placement.
 - If bit porous media (concrete, metal elements) may be sufficient to support a pre-cleaning. Nevertheless it is recommended to pre-test to verify adherence.
 - If it is necessary to adhere on some metal elements or porous media, previously applied bituminous primer (Impridán 100) to the entire surface to be bonded. Blade Application: - Vapor barrier on roofs and in cold storage. Adherence to the support is done by removing the film from the underside of the product and simultaneously pressing a blunt scraper or gloves, face and pushing inferior product at the same time with a dull scraper or gloves, from the inside was to prevent the formation of bags. The overlaps be carried out equally between roll and roll, and will be approximately 6-8 cm in both the longitudinal and the transversal. Support information will be treated as discussed above.
 - Rehabilitation of sloping roofs and all types of sealed auctions and repairs. For ease of installation, you should cut the rolls into smaller size, more manageable. Cut the piece of material necessary to cover the treatment area, remove the nonstick coating and apply strong pressure on the surface. We recommend using a roller to make greater demands on the tape and improve adherence. Support information will be treated as discussed above.
 - Barrera anticapilaridad in boot walls. Prior to apply asphalt primer (Curidán, Impridán 100 Maxdán Maxdán or rubber). For ease of installation, you should cut the rolls into smaller size, more manageable, adjusting the width of the wall.

INDICATIONS AND IMPORTANT RECOMMENDATIONS

- Do not use as a system of flat roofing.
- Do not use roof garden.
- Do not use on decks that later will carry a heavy protection, be it a pavement, a gravel or topsoil (if roof garden), or otherwise.
- Not used in the waterproofing of walls buried.
- This product is part of a waterproofing system, so you should take into account all the documents referenced by Danosa Solutions Manual, and any regulations and enforceable laws on the matter.
- There is no chemical incompatibility between the range of oxiasfalto Danosa sheet of elastomer bitumen and bitumen SBS thermoplastic.
- On or shortly homogeneous porous media should be applied bituminous primer (Curidán, Impridán 100 Maxdán Maxdán or Rubber) prior to placement.
- If it is necessary to adhere on or shortly porous metal elements, previously applied bituminous primer (Impridán 100) to the entire surface to be bonded.
- For ease of installation, you should cut the rolls into smaller size, more manageable.
- We recommend using a roller or a squeegee to make greater demands on the product and improve adherence.
- Monitored the possible incompatibility between the thermal insulation and waterproofing.
- Avoid projecting polyurethane foam directly over the waterproofing without the use of a suitable separating layer (geotextiles, layers of mortar, polyethylene film, etc ...).
- In roofing, do not use on thermal insulation.
- Where rehabilitation will take into account the chemical incompatibilities with old waterproofing consisting of flexible PVC sheet and mastic modified bitumen base, may be necessary or total removal using appropriate separator layers (geotextiles, layer of mortar polyethylene film, etc ...).
- In case of new construction and rehabilitation will take into account possible chemical incompatibilities with the sheets of thermoplastic APP modified bitumen. NOTE: For more information on Danosa systems that involve the SELF-DAN AL 100 , please see document entitled "Sealing Solutions."

HANDLING, STORAGE AND CONSERVATION

- This product is not toxic or flammable.
- Will be stored in a dry place protected from rain, sun, hot and cold temperatures.
- Will be stored horizontally.
- Do not be stacked one on another pallet.
- Will be used first come to work.
- No waterproofing works should be performed when weather conditions may be harmful, particularly when it is snowing or there is snow or ice on the deck when the cover is rain or wet surface moisture > 8% as QAT NTE or strong wind.
- SELF-DAN AL 100 may not be installed when the ambient temperature, the material or medium is less than + 10 ° C.
- In cold weather should warm up slightly the bracket with the torch.
- In all cases, be taken into account Health and Safety standards at work, and the rules of good construction practice.
- Danosa should consult the MSDS of this product is available www.danosa.com permanently or can be obtained by writing to our Technical Department.
- For any further clarification, please contact our Technical Department.

WARNING

The information that appears in the following document makes reference to the uses and utilities of danosa's products and systems, and it is based on the knowledge that have been learnt until present, by Danosa. This is only possible if products have been stored and used in an appropriate way.

Nevertheless, Danosa is not responsible for unsuitable uses of the products neither any other facts, such as meteorological facts. So Danosa is just responsible for the quality related to the provided products. Danosa reserves the right to carry out modifications without previous notice.

The values that appear in the technical sheet are the results of the tests that have been performed in our laboratory. November 2011.

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