

SELF-ADHESIVE MEMBRANE SELF-DAN PE PLUS

Self-Adhesive membrane Self-Dan PE PLUS is a self-adhesive bituminous waterproofing sheet with non-protected surface of 1.5 kg/m². Self-Adhesive membrane Self-Dan PE PLUS provides Crack Bridging properties for covering concrete cracks due to structural movements of the building. Composed of self-adhesive SBS polymer bitumen with an upper surface finish of a cross laminated polyethylene film (HDPE) used as a reinforcement and a lower surface finish of self-adhesive polyethylene film. Product used for the waterproofing of underground walls and inverted roofs under tiles.



TECHNICAL DATA

TECHNICAL DATA	VALUE	UNIT	STANDARD
External fire performance	PND	-	UNE-EN 1187;prUNE-EN 13501-5
Reaction to fire	F	-	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	350 ± 100	%	UNE-EN 12311-1
Transversal elongation at break	350 ± 100	%	UNE-EN 12311-1
Resistance to root penetration	No Pasa	-	EN 13984
Resistance to static loading	5	kg	UNE-EN 12730
Resistance to impact	400	mm	UNE-EN 12691
Longitudinal resistance to tearing (nail shank)	180 ± 50	N	UNE-EN 12310-1
Transversal resistance to tearing (nail shank)	180 ± 50	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	< -15	°C	UNE-EN 1109
Humidity resistance factor	115000	-	EN 1931
Humidity flow density coefficient	2.56, Exp-9	Kg(m ² .s)	EN 1931
Dangerous substances	PND	-	-

Pasa = Positive or correct No pasa = Negative PND = No performance determined - = Not necessary

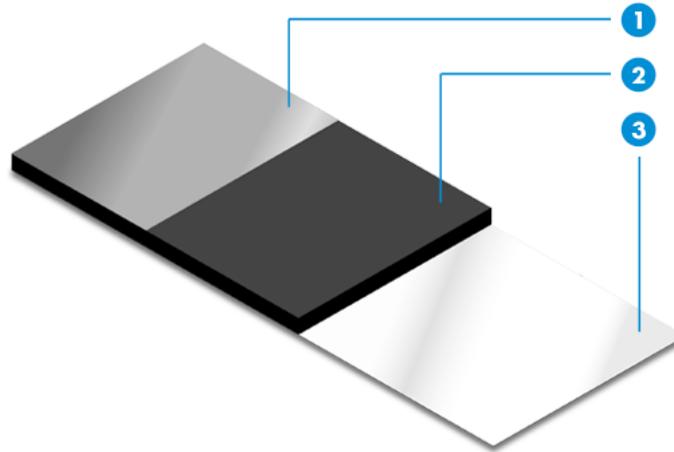
ADDITIONAL TECHNICAL DATA

ADDITIONAL DATA	VALUE	UNIT	STANDARD
Mass per unit area (nominal)	1.5	kg/m ²	-
Mass per unit area (minimum)	1.35	g/m ²	-
Nominal thickness	1.5	mm	-
Flow resistance at elevated temperature	>70	°C	UN-EN 1110
Dimensional stability at elevated temperature (longitudinal)	< 2.5	%	UNE-EN 1107-1
Dimensional stability at elevated temperature (transversal)	< 2.5	%	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.
 Membranes mass per unit area tolerance: -5% (mini) and +10% (maxi) from nominal value.

PRESENTATION

PRESENTATION	VALUE	UNIT
Length	20	m
Width	1	m
Roll surface	20	m ²
Rolls per pallet	25	rolls
Product Code		-



1. cross laminated polyethylene film (HDPE)
2. SBS modified bitumen
3. self-adhesive polyethylene film

INDICATIONS AND IMPORTANT RECOMMENDATIONS

- Self-Adhesive membrane Self-Dan PE PLUS should not be applied with temperature below + 10 °C.

MAINTENANCE RECOMMENDATIONS

Maintenance requirements for Danosa Roofing Products

The following maintenance checks must be adhered to:

- A general examination on the condition of the waterproofing and surrounding roof components.
- An inspection of all functional roofing elements including skylights, outlets, upstands, penetrations and any other visible roofing components.
- Clean outlets, drains, gutters and remove any debris from the roof.
- Periodic removal of mildew, moss, herbs or any other kind of vegetation that has been accumulation on the waterproofing.
- Periodic removal of possible sediments accumulated on the deck (silt, sledges, slate granules, etc) by occasional water accumulation.
- Periodic removal of debris and small objects that may have accumulated on the roof.
- Ensure surrounding structural elements are sound such as eaves, flashings, slate tiles and brickwork.
- Ensure that the waterproofing is in good condition and there are no blisters, damage or separation.
- Review the condition of the waterproofing (adherence to upstands, condition of overlaps, visual appearance, etc) and repair the defects observed.

These operations must be carried out twice a year, preferably at the beginning of spring or autumn and must be increased in case of decks or valleys with zero falls. It is also necessary to perform additional maintenance depending on the type of roof, location and proximity of roofs to areas with trees or in areas with high levels of pollution.

More details on the document Maintenance and repair recommendations for flat roofs waterproofed with modified bitumen sheets



■ 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. July 2014.

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