

SELF DAN SP 2

Self-adhesive membrane SELF DAN SP 2 (SELF-DAN Self Protective SP) is a self-adhesive bituminous waterproofing sheet with protected surface of 2.0 mm.

Composed of a fibreglass reinforcement, covered with SBS modified bitumen mastic (self-adhesive on one side) with an upper surface finish of a non-woven geotextil used as reinforcement and protection layer and a lower surface finish of siliconed release film. Product used for the waterproofing of underground walls.



TECHNICAL DATA

TECHNICAL DATA	VALUE	UNIT	STANDARD
Reaction to fire	E	-	UNE-EN 11925-2; UNE-EN 13501-1
Watertightness	Pasa	-	UNE-EN 1928
Longitudinal tensile strength	700 ± 200	N/5cm	UNE-EN 12311-1
Transversal tensile strength	450 ± 150	N/5cm	UNE-EN 12311-1
Longitudinal elongation at break	45 ± 15	%	UNE-EN 12311-1
Transversal elongation at break	45 ± 15	%	UNE-EN 12311-1
Resistance to root penetration	No Pasa	-	UNE-EN 13948
Resistance to static loading	> 15	kg	UNE-EN 12730
Resistance to impact	> 900	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	450 ± 150	-	UNE-EN 12317-1
Flexibility at low temperature	< -15	°C	UNE-EN 1109
Humidity resistance factor	20.000	-	UNE-EN 1931
Dangerous substances	PND	-	-
Flexibility at low temperature (pliability) after aging	-5 ± 5	°C	UNE-EN 1109
Flow resistance at elevated temperature after aging	100 ± 10	°C	UN-EN 1110

ADDITIONAL TECHNICAL DATA

ADDITIONAL DATA	VALUE	UNIT	STANDARD
Nominal thickness	2.0	mm	-
Flow resistance at elevated temperature	> 100	°C	UN-EN 1110
Dimensional stability at elevated temperature (longitudinal)	< 0,6	%	UNE-EN 1107-1
Dimensional stability at elevated temperature (transversal)	< 0,6	%	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.

SCOPE

The Waterproofing membrane SELF DAN SP 2 is composed of bituminous base modified with SBS, therefore it is superior to other bituminous membranes, providing better performances to high and low temperatures, elasticity and ageing properties.

SELF DAN SP 2 is composed by a Fiber Glass carrier, providing excellent dimensional stability performances (< 0.6%).

SELF DAN SP 2 is widely used in waterproofing of Retaining walls in basements made from concrete and brick walls with plaster.

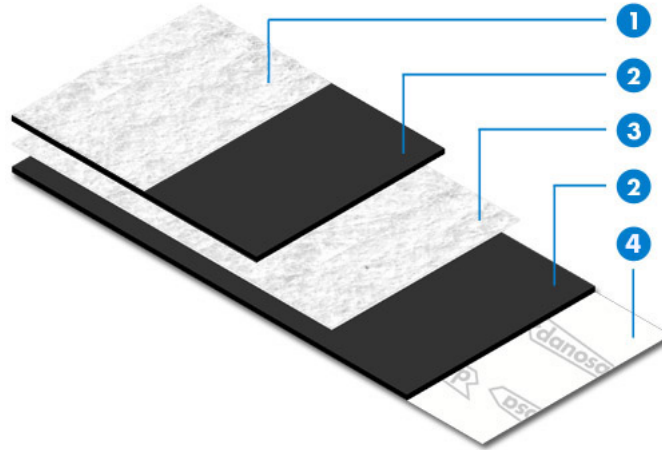
SELF DAN SP 2 is also widely used in the waterproofing of wooden surfaces due to its Selfadhesive properties, avoiding the application of blow-torch.

Recommended use:

- Waterproofing membrane for Retaining walls and basement areas

PRESENTATION

PRESENTATION	VALUE	UNIT
Length	10	m
Width	1	m
Roll surface	10	m ²
Rolls per pallet	42	rolls
Product Code	192305	-



1. geotextile
2. SBS modified bitumen
3. fibreglass
4. siliconed release film

ADVANTAGES AND BENEFITS

ADVANTAGES

- Controlled thickness in factory ensuring constant non-variable site application
- Certified Waterproof to water and vapor
- Easy and Fast Application
- Application at room temperature
- Prestige product from European Manufacturer following European and American Certifications

BENEFITS

- Preserve its properties in long term due to SBS mass
- Bridge Cracking properties due to 500% compound elongation performance
- Total flexibility of the material, and perfect accommodation to the support
- Perfect adherence to the support
- Excellent mechanical properties due to Geotextile finishing
- Puncture resistance >1000N based on American Standard (ASTM E154)
- A selvedge is provided on one side of the membrane to give a bitumen to bitumen contact on the overlaps, thus restricting any water penetration through the laps

INDICATIONS AND IMPORTANT RECOMMENDATIONS

- SELF DAN SP 2 should not be applied with temperature below +10°.
- Must be stored in a dry place protected from rain, sun, heat and cold temperatures.
- Sun exposure of the product may difficult the removal of the polyethylene non-stick film.

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. October 2013.

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