

DERBIGUM[®] SP

MEMBRANES

THE FIRE RESISTANT PLASTOMER-BITUMEN WATERPROOFING MEMBRANE

Description and advantages

DERBIGUM SP is THE fire resistant waterproofing membrane with two reinforcements whose quality and durability are proven world wide.

The raw materials are selected to meet these two requirements.

The two distinct reinforcements, fiberglass and non-woven polyester, are placed on the topside of the membrane to provide a perfect dimensional stability and an excellent tear and puncture resistance.

The blend, especially formulated for this membrane, is made of a specific bitumen, developed in co-operation with the oil producers, noble atactic thermoplastic polyolefin polymers (TPO), and a "halogen free" fire retardant product. This combination makes it environmentally friendly and non-toxic.

This blend has, among others, the following characteristics:

- ☐ it slows down the burning of the membrane with a limited fume emission and excludes toxic emanation;
- ☐ it ensures the necessary binding and impregnation of the reinforcements adapted to the requirements of durability and application.

The combined action of the different components of the membrane grants this product its unique character, its polyvalence of use depending on the application system, its total recycling possibility and enables it to meet the whole range of external fire resistance standards existing in Europe.

DERBIGUM SP also has a root resistant alternative called DERBIGUM SP-AR. This product is obtained by adding anti-root chemicals in the blend.

Application fields

DERBIGUM SP can be applied on:

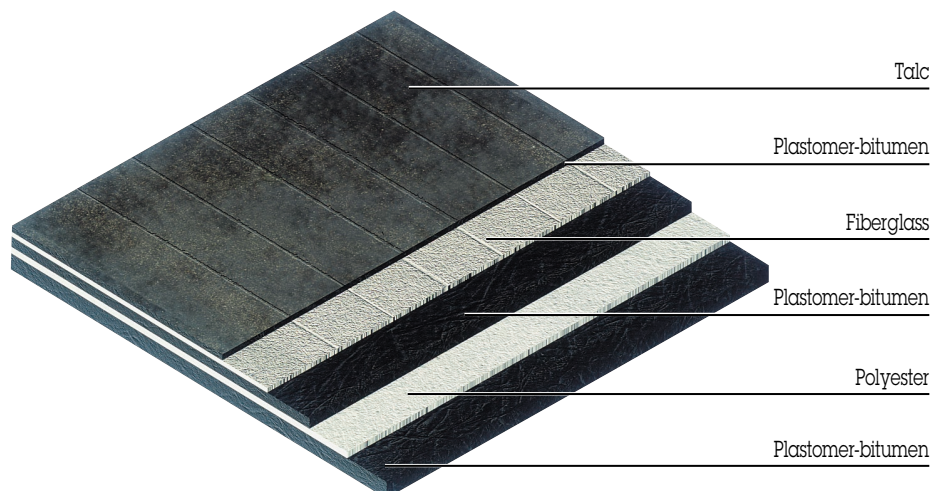
- ☐ horizontal, inclined and vertical surfaces;
- ☐ masonry, concrete slabs and cement decks;
- ☐ cellular autoclaved concrete;
- ☐ prefabricated roughcast;
- ☐ wood panels and wood battens;
- ☐ insulation panels;
- ☐ old roofing membrane.

For any other application please contact our technical department.

The management of the production process and the control onto the membrane are certified according to ISO 9002.



Application of DERBIGUM SP with DERBIBOND S.



Cross section of the membrane



HOW TO APPLY THE DERBIGUM SP WATERPROOFING MEMBRANE ?

Instructions for use

The application, as well in renovation as in new construction, has to be done after preparation of the deck according to the instructions given in the DERBIGUM Technical Specification Guidelines.

- ☐ DERBIGUM SP applied with cold adhesive (for inclined surfaces < 15%):
 - unroll the rolls onto a clean and dry deck, with the fiberglass visible on top and the overlap lines towards the bottom;
 - align the sheets on the deck with 10 cm side overlaps.
 - fold back the sheets by half. Spread the DERBIBOND S cold adhesive ($\pm 1 \text{ kg/m}^2$) on the deck using a toothed roofer's squeegee;
 - re-lay the DERBIGUM SP in the cold adhesive

and repeat the operation for the second half. The cold adhesive enables to readjust the membrane if necessary.

- weld carefully the longitudinal overlaps over the whole width of 10 cm by torching (the transversal overlaps measure 15 cm), and then press with a roll of $\pm 15 \text{ kg}$. You need to have a small quantity of bitumen overflowing out of the overlap. This blend outflow can be bevelled with the tip of a heated trowel.

- ☐ DERBIGUM SP can also be torched.
- ☐ DERBIGUM SP can also be fastened mechanically.

Remark

We recommend to protect non-ferrous gutters and roof elements with a layer of DERBIZINC coating.

TECHNICAL CHARACTERISTICS

Thickness	mm	3	4	5
Reinforcements	— fiberglass	g/m^2	55	55
	— non-woven polyester	g/m^2	150	150
Softening point	$^{\circ}\text{C}$	150	150	150
Cold bending	$^{\circ}\text{C}$	- 20	- 20	- 20
Tensile strength	— longitudinal	N/5 cm	675	675
	— transversal	N/5 cm	625	625
Elongation at break	— longitudinal	%	50	50
	— transversal	%	50	50
Dimensional stability - overlap shrink	mm	0	0	0
These data are nominal values with the usual tolerance.				
DERBIGUM SP meets numerous fire resistance requirements and has the classifications NT FIRE 006, DIN 4102-7, NEN 6063, T 30/1 en prEN 1187-1/2/3.				
All the fire resistance certificates and the durability reports which confirm a durability of more than 25 years are available on our Internet web site.				

TECHNICAL AGREEMENTS

DERBIGUM SP has got agreements in all countries of Europe.

PRESENTATION

Thickness	mm	3	4	5
Width	m	1.10	1.10	1.10
Length	m	12.73	10.00	7.27
Surface	m^2	14	11	8
Weight of the roll	kg	45	47	43
Number of rolls per pallet	-	20	20	20

Packaging

DERBIGUM SP is rolled and packed with adhesive tapes. The rolls are delivered on pallets and packed under a shrink cover.

Within the scope of improving its products, the manufacturer has the right to modify them at any moment. This document cancels and replaces any other document published previously.



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