

# SOPRALENE FLAM STICK

Self-adhesive SBS elastomeric membrane



## WATERPROOFING SYSTEM FOR FLAT ROOFS

**nuplex**

Construction Products

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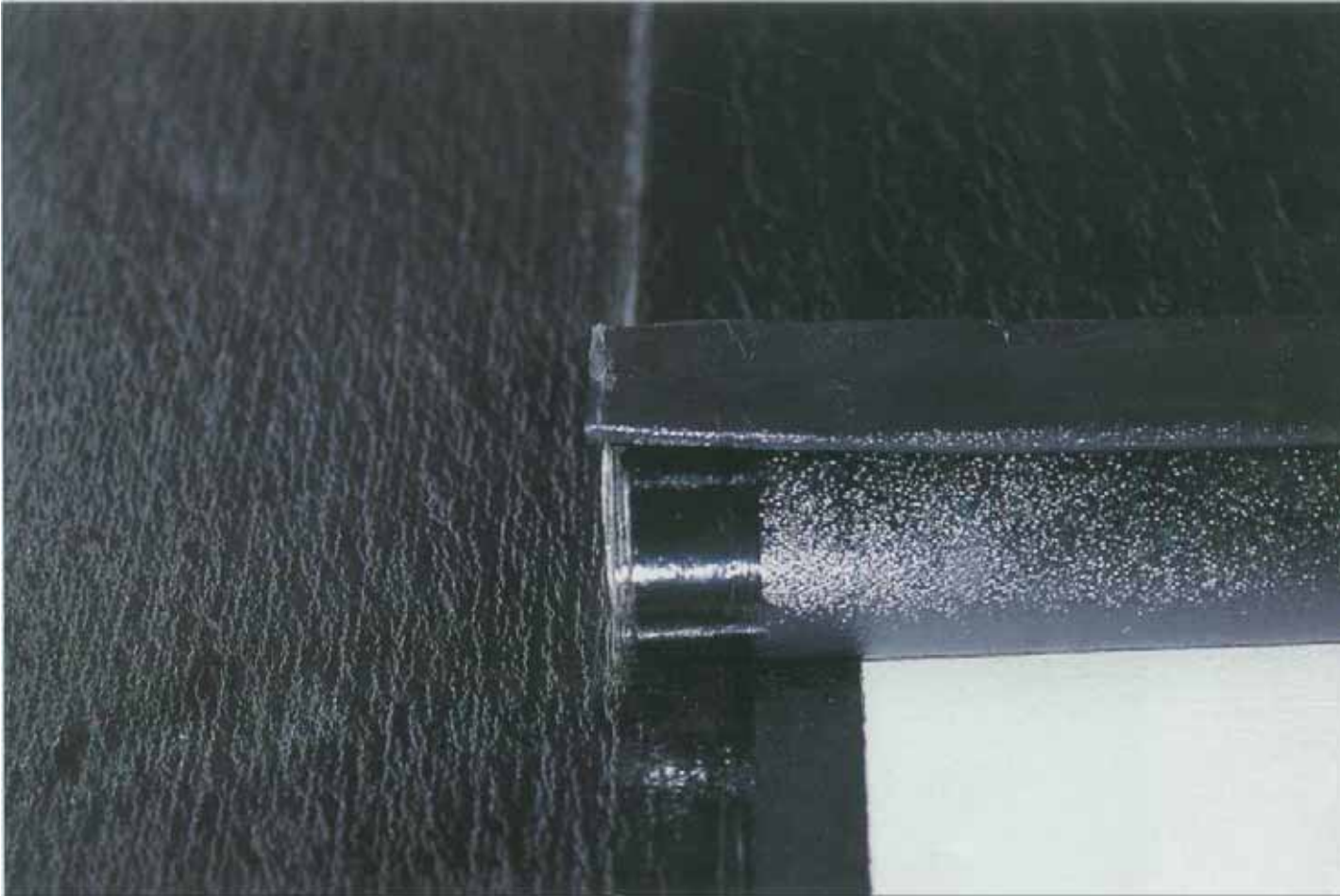
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**SOPREMA**

# SOPRALENE FLAM STICK, Safe waterproofing on expanded polystyrene insulating material

The **SOPRALENE FLAM STICK** process consists in sticking a self-adhesive two layer waterproofing complex on expanded polystyrene insulating panels.



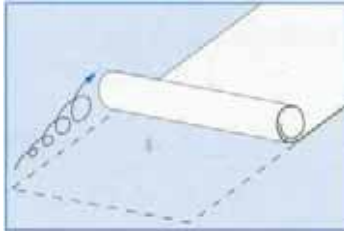
The system includes:

- EM\* quality expanded polystyrene insulating material, bonded by spots or strips of **SOPRACOLLE 300 N** onto the vapour barrier.
- Self-adhesive elastomeric bitumen base layer
- Self-protected elastomeric bitumen second layer sealed to the first.

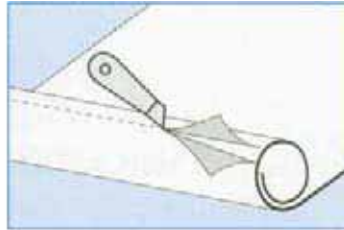
\* defined in the technical recommendations.

# Installation

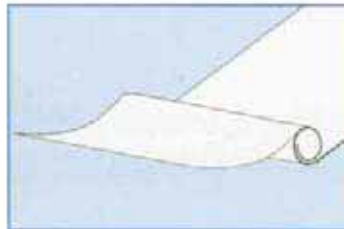
## APPLYING SOPRALENE FLAM STICK ON GENERAL SURFACE AREA



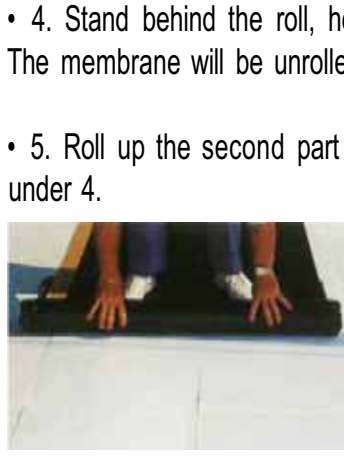
- 1. Position the roll and roll it up over half its length.



- 2. Cut the silicone film on the underside with a Stanley knife, taking care not to cut the membrane.



- 3. Peel off the film over a few centimetres on either side and stick that part to the insulating material.



- 4. Stand behind the roll, hold the silicone film and move back. The membrane will be unrolled and glued.

- 5. Roll up the second part of the membrane and proceed as described under 4.



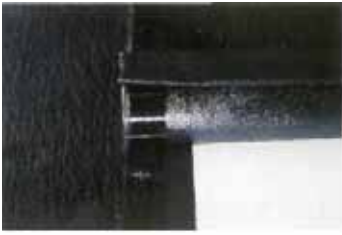
## UPSTANDS :

The edge of the insulating material must be protected before welding the corner reinforcement.

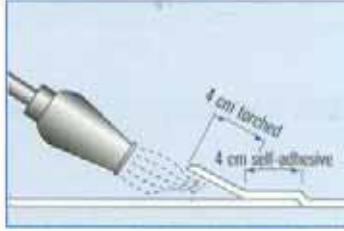


- 6. In the lengthwise direction, bring the membrane up against the upstand over about 2 cm. In the other direction, cut 5 cm strips of **SOPRALENE FLAM STICK** and stick them into the corner.

## SIDE LAPS



- 7. Position the next length of material and repeat steps 1 to 5 with 8 cm overlaps
- Stick the overlap over 4 cm (remove the paper from the edge before step 4)
- Torch the remaining 4 cm.



## END LAPS



- 8. Make oblique cuts to keep down excess thickness.



- 9. Make 15 cm overlaps:
- Stick the overlap over 4 cm to prevent the torch flame burning the polystyrene
- Torch the remaining 11 cm.

THE ROOF IS WATERPROOF ONCE THE FIRST LAYER IS APPLIED.

## INSTALLING THE SECOND LAYER



- 10. Torch the second self-protected layer of **ELASTOPHENE (FLAM) 25 AR** to the standard procedure.

## Application

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**SOPRALENE FLAM STICK** is intended for flat roofs.

It is designed for new and renovation work.

The substrate may be brickwork\*, wood\*\* (or timber boards) or reinforced impregnated cellular concrete slabs\*\*

(\* 0 - 20% slope; \*\* 1 - 20% slope)

## Advantages

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### ■ SAFE:

Applying an adhesive membrane prevents the polystyrene insulating material being damaged by the torch flame.

### ■ RELIABLE:

**SOPRALENE FLAM STICK** is made of elastomeric bitumen. Its properties make it very resistant to temperature fluctuations and ageing.

The composite reinforcement gives the material high resistance to tear and perforation.

### ■ VERSATILE:

**SOPRALENE FLAM STICK** is designed to resist to extreme temperatures and winds, and is therefore recommended in tropical and cyclonic areas.

### ■ COST-EFFECTIVE:

Systems using expanded polystyrene are extremely cost-effective. At the same time, they meet the thermal insulation regulations applicable to new constructions.

### ■ GUARANTEED:

If applied in conformity to the supplier's recommendations, **SOPRALENE FLAM STICK** is covered by the **SOPREMA** product guarantee without any limitation in respect of climate, wind or aspect.



## Specifications

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- **COMPONENTS:** SBS elastomeric bitumen, 220 g/m<sup>2</sup> composite polyester/glass reinforcement.  
The self-adhesive underside is protected by a silicone film.  
The top side is protected by a thermofusible film  
The overlap edge is adhesive over 4 cm and torchable over 4 cm.
- **Nominal thickness:** 2.5 mm
- **Temperature resistance:** > 90°C
- **Cold flexibility:** - 20°C
- **Dimensional stability:** < 0.2%
- **Tear strength:** ≥ 200 N
- **Tensile strength\*** (NF G 07 001)  
Longitudinal: > 1000 N/5 cm - Transversal: > 850 N/5 cm
- **Elongation at break\*** (NF G 07.001)  
Longitudinal: > 6% - Transversal: >7%

\* Average values

## Conditionnement

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10 x 1 m rolls

Weight of each roll: approximately 31 kg

Storage: upright on pallets



AFAQ N 1993/1688b  
AVIGNON (84)  
STRASBOURG (67)  
LOUVIERS (27)

### Quality control:

Soprema have always given top priority to product quality.

To that end, we implement an ISO 9001/EN 29001 quality assurance system with AFAQ certification.



# SOPREMA

Soprema reserves the right to modify the composition, conditions of use and therefore the prices of products without notice, depending upon the development of technology and techniques.  
As a result, orders shall only be accepted subject to the terms and specifications applicable at the time of their receipt.

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