

Non-accessible self-protected roof

REINFORCED CONCRETE SUBSTRATE

0 - 20% SLOPE



A³

CHARACTERISTICS

SUBSTRATE

- Reinforced concrete compliant with standards.

1 PRIMER

- AQUADERE®**: cold-applied, solvent-free elastomeric bitumen primer for torch-on membranes.
- Alternative: **SOPRADERE®**.

2 VAPOUR BARRIER

- Standard conditions: **ELASTOPHENE® 25**, a fully torched membrane (Sd = 500m) or **SOPRAVAP® 3 IN 1 liquid solution** (Sd = 1000m).
- In other cases: refer to vapour barrier documentation.
- In tropical areas a vapour barrier is not compulsory.

3 THERMAL INSULATION

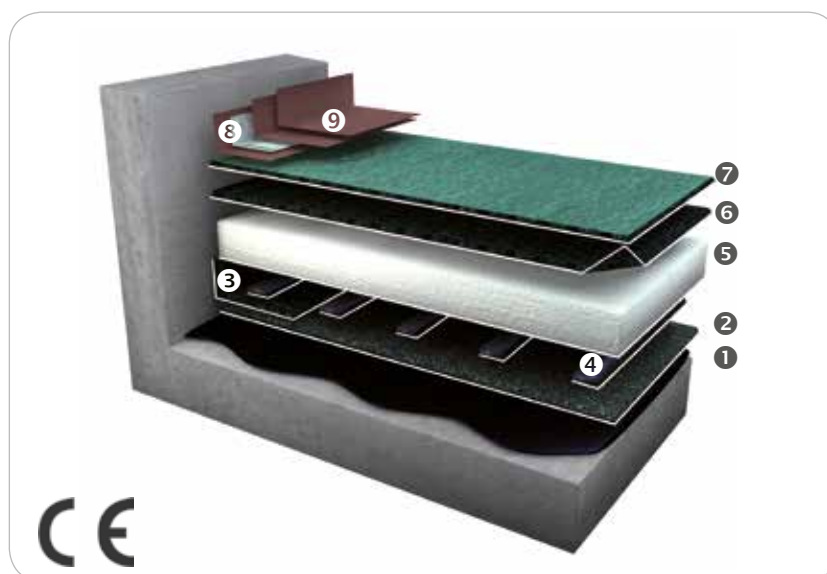
- Bonded onto the vapour barrier with strips/spots of
 - SOPRAVAP® 3 IN 1**, fully bonded.
 - COLTACK®**, a polyurethane bitumen-based adhesive (fluid consistency)
 - SOPRACOLLE 300 N**, an elastomeric bitumen-based adhesive (gel consistency)
- Compatible thermal insulation panels: **PUR**, **PIR** and **EPS** (density mass ≥ 19kg/m³).
- The panels must be laid in a staggered pattern with tight joints.

4 WATERPROOFING

- The underface of the base sheet includes semi-continuous self-adhesive strips allowing semi-independent installation. The waterproofing membranes are not interchangeable.
- Different coloured slate finishes are available: Grey Slate, Matisse Brown, Van Gogh Ochre, Cezanne Sienna, Black Slate, Chagall Grey, Gauguin Red, Veronese Green.

SOPREMA SYSTEM with thermal insulation

CE Marking Technical Approval	SOPRALENE® STICK BILAYER SBS SYSTEM
2 nd layer	SOPRALENE® FLAM 180 AR
1 st self-adhesive layer	SOPRASTICK® SI
Total Thickness	5.5mm
Performance	F 5 I 5 T 2



① Primer ② Vapour barrier ③ Vapour barrier corner reinforcement ④ SOPRACOLLE 300 N ⑤ Thermal insulation panels ⑥ 1st waterproofing layer SOPRASTICK® SI ⑦ 2nd waterproofing layer SOPRALENE® FLAM 180 AR ⑧ ALSAN® FLASHING FLEECE embedded with ALSAN® FLASHING ⑨ ALSAN® FLASHING (in 2 coats).

TECHNICAL INFORMATION

TECHNICAL ROOF

- SOPRALENE® FLAM 180 AR** can be used on technical roofs.

ROOF WALKWAY

- SOPRALENE® FLAM 180 AR**, distinguishable from the main surface by a different colour, must be torched onto the waterproofing system.
- Around the edges of the roof, pentices and walkways, concrete paving slabs (1 or 2 metres width) will be laid over the separating and protective geotextile **NTS 170**.

FIRE RATING

- SOPRASTICK® SI FE** serves as a base sheet membrane on **EPS** thermal insulation panels ≥ 80mm thick with the cap sheet membrane **ELASTOPHENE® FLAM 25 AR FE** compliant with the EN 13501-5 standard (please contact us).

SOPREMA TIPS



- Upstand variant: **ALSAN® FLASHING** (European Technical Approval ETA-08/0114) will avoid the use of counter flashing protection on parapets. This no-flame system is easy to apply and saves application time.
- A ≥ 2% slope will avoid water stagnation, improve conditions of use and extend service life.
- SOPRASTICK® SI** is suitable for high wind areas except hurricane areas where **SOPRASTICK®** (fully self-adhesive) is used on top of stabilized thermal insulation.
- SOPRAVAP® 3 IN 1** is an optimal solution combining three functions: primer, vapour barrier and insulation adhesive. Do not hesitate to contact our technical team for advice.



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