

Non-accessible Sopranature® green roof

REINFORCED CONCRETE SUBSTRATE – 0 - 20% SLOPE

STEEL DECK SUBSTRATE – 3 - 20% SLOPE

TIMBER DECK SUBSTRATE – 3 - 20% SLOPE



A⁸

CHARACTERISTICS

SUBSTRATE

- Any substrate (reinforced concrete, steel deck, timber deck* and plywood boards*) provided it can bear usual roof loads, including **SOPRANATURE®** green roof systems. Specific study will be carried out by **SOPREMA** (form available on www.sopranature.com).

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

- PUR, PIR** except on steel decks (with independent waterproofing system, limited to a < 5% slope).
- Expanded perlite.**
- Mineral wool Class C** (according to UEAtc guideline).
- Cellular glass.**
- XPS only for inverted roof.**

4 WATERPROOFING

- A fully adhered system is recommended except on **PUR, PIR** and **EPS** thermal insulation panels.
- On a > 10% slope, the cap sheet is mechanically fastened on the top joints.
- For mechanically fastened systems, please contact us.
- SOPRALENE® FLAM JARDIN** is an anti-root FLL-approved membrane (4 years *in-situ* root-penetration test) according to the **EN 13948** standard.

SOPREMA TIPS

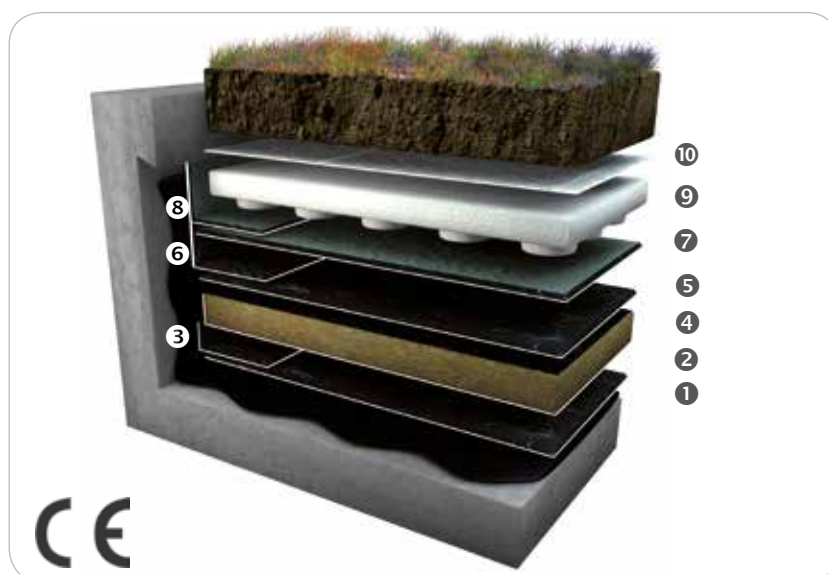


- SOPRANATURE®** has many advantages over traditional green roofs: low thickness, reduced load, allows slope, limited maintenance and watering.
- Green roofs also offer interesting advantages as far as soundproofing and thermal insulation are concerned. Regarding rainwater retention needs, contact the **SOPRANATURE®** department.
- The **SOPRANATURE®** department determines the best technical and economic solution for your project depending on the specific constraints: type of substrate, slope, admissible load, climate...

SOPREMA SYSTEM with thermal insulation

CE Marking Technical Approval	SOPRANATURE®* BILAYER SBS SYSTEM
2 nd layer	SOPRALENE® FLAM JARDIN
1 st layer	ELASTOPHENE® FLAM 25
Total thickness	5.7mm
Performance	F 5 I 5 T 4

*approved by a technical inspector



① Primer ② Vapour barrier ③ Vapour barrier corner reinforcement ④ Bitumen-surfaced insulation ⑤ 1st waterproofing layer **ELASTOPHENE® FLAM 25** ⑥ Corner reinforcement **SOPRALENE® FLAM S 180-35** ⑦ 2nd waterproofing layer **SOPRALENE® FLAM JARDIN** ⑧ 2nd layer of upstand **SOPRALENE® FLAM JARDIN** ⑨ **SOPRADRAIN®** ⑩ **SOPRAFILTRE**

TECHNICAL INFORMATION

SOPRANATURE® PROTECTION

- Filter layer: **SOPRAFILTRE**.
- Drainage layer: **SOPRADRAIN®**.
- Substrate: **SOPRAFLOL**.
- Vegetation: **SOPRANATURE®** comes in:
 - 3 types of extensive green roof: **TOUNDRA, PAMPA, GARRIGUE**.
 - 2 types of semi-intensive green roof: **GREEN, LANDES**.
- For tropical areas: **SAVANE**.

SOPRANATURE® meets Professional Regulations for Green Roofs with a slope limited to 20%. In other cases, please contact the **SOPRANATURE®** department.



SOPREMA

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