

Waterproofing of intermediate floors

REINFORCED CONCRETE SUBSTRATE

1.5 - 5% SLOPE



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CHARACTERISTICS

SUBSTRATE

- Reinforced concrete compliant with standards.

1 PRIMER

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

2 WATERPROOFING

- A fully adhered system is recommended for the following thermal insulation panels: **cellular glass**, **expanded perlite**, **bitumen-surfaced mineral wool**. It is also recommended on inverted roofs with **XPS** thermal insulation panels.
- An independent system may be designed with **SOPRAVOILE 100** or **VELAPHONE®** (sound proofing), underneath the waterproofing system.
- In bilayer waterproofing systems, membranes are interchangeable unless the cap sheet is protected by slate chippings or if **STYRBASE® STICK** is used as a base sheet membrane.
- Single layer systems are not recommended under screed.

Alternatives to no-flame waterproofing systems (contact **SOPREMA**):

Self-adhered waterproofing system **COLPHENE® 1500+ COLPHENE® CERADER + ALSAN® FLASHING**.

ALSAN® 410 SOLVENT-FREE under adhesive mortar or reinforced mortar screed and tiles (cf. documentation related to **ALSAN®** systems).



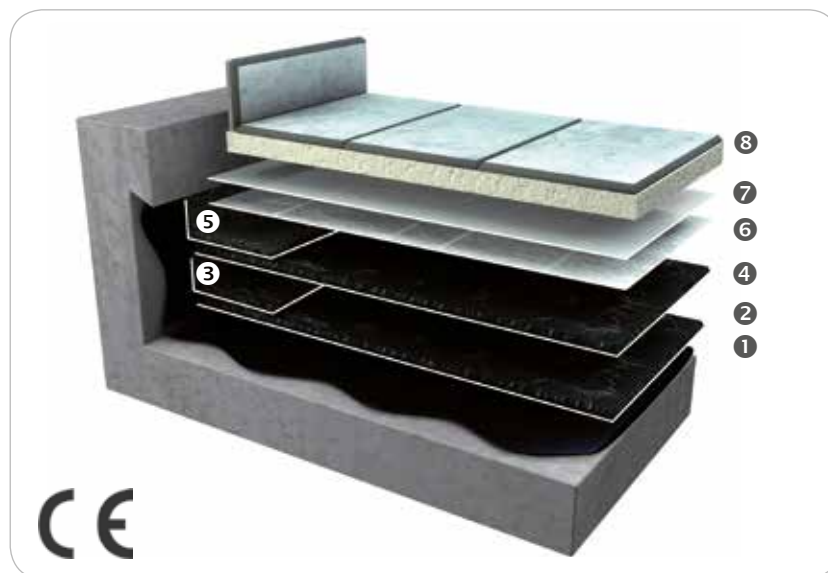
SOPREMA TIPS



- Increased acoustic properties according to the technical Guideline: for **SOPRALENE®** under tiles with **VELAPHONE® CONFORT**.
- Possible to use adhesive mortar and tiles directly on plaster-based boards, according to technical agreements. **ELASTOPHENE® FLAM / SOPRALENE® FLAM** or **ALSAN® 410** solvent free liquid waterproofing system.

SOPREMA SYSTEM without thermal insulation

CE Marking Technical Approval	BILAYER ELASTOPHENE® FLAM / SOPRALENE® FLAM
	BILAYER SBS SYSTEM
2 nd layer	SOPRALENE® FLAM 180
1 st layer	ELASTOPHENE® FLAM 25
Total thickness	5.5mm
Performance	F 5 I 5 T 4



① Primer ② 1st waterproofing layer **ELASTOPHENE® FLAM 25** ③ Corner reinforcement **SOPRALENE®** ④ 2nd waterproofing layer **SOPRALENE® FLAM 180 AR** ⑤ 2nd layer for upstand **SOPRALENE® FLAM S 180-35** ⑥ **NTS 170** separating sheet ⑦ PE Foil (100µ) ⑧ Screed with tiles

TECHNICAL INFORMATION

PROTECTION

- According to Professional Regulations and our Technical Approvals it consists of:
 - the separating and protective geotextile **NTS 170** + PE Foil (100µ).
 - reinforced mortar, at least 4cm thick with construction joints.
 - suitable paving tiles for roofs.



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