

Trafficable roof under hot rolled asphalt

REINFORCED CONCRETE SUBSTRATE

2 - 5% SLOPE



C¹

CHARACTERISTICS

SUBSTRATE

- Reinforced concrete compliant with standards.
- Surface must be flat and evenly leveled. Care must be taken to remove laitance, admixtures and "mirror" effects.
- Shot blasting is recommended on the whole surface or another appropriate treatment to improve adherence to the substrate.

1 PRIMER

- **ELASTOCOL® 500**: cold-applied elastomeric bitumen primer to obtain strong adhesion for torch-on membranes.
- Alternative: **GLACIVAP®**: cold-applied bitumen polyurethane-based pore filler to counter rising through the concrete slab.

2 WATERPROOFING

- On large-scale projects, waterproofing can also be mechanically installed using the **MACADEN®** automated installation system. **MACADEN®** (5.1 tonnes in operation) uses 190m long **SOPRALENE® FLAM ANTIROCK® P** jumbo rolls.
- This technique permits a faster and more reliable installation.

3 PROTECTION

- Hot rolled asphalt, minimum 5cm thick (for car parks).
- Alternative: **SOPRALENE® FLAM ANTIROCK® RSI** (semi-independent installation) recommended on uneven substrates for car parks only. Cannot be used for ramps.

SOPREMA SYSTEM without thermal insulation

| Installation Specifications* Bridge/road approvals | ANTIROCK® SYSTEM |
|---|------------------------------------|
| | SINGLE LAYER SBS SYSTEM |
| Layer | SOPRALENE® FLAM ANTIROCK® P |
| Total thickness | 4mm |
| Roll length | 190m |
| Performance | 14 |

*approved by a technical inspector



① Primer **ELASTOCOL® 500** ② **SOPRALENE® FLAM ANTIROCK® P** ③ Corner reinforcement **SOPRALENE® FLAM ANTIROCK® P** ④ Hot-rolled asphalt

TECHNICAL INFORMATION

TRAFFICABLE SURFACE

Hot rolled asphalt used for roads in accordance with the **ANTIROCK®** Technical Guideline.

- Accessible to cars:
 - Normal use: 5cm thick.
 - Intensive use: 6cm thick.

For areas accessible to cars, fire engines and tow lorries may be exceptionally accepted.

- Accessible to lorries: 7cm thick.

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.
- If there is a risk of damaging the upstands, reinforced mortar or kerb may be used as protection.
- Expansion joints are flat in accordance with the Technical Approval for **SOPRAJOINT®** with **SOPRAJOINT® TM** protection slab. They must be at the highest point on the roof. For access to very heavy lorries, approved metal profile expansion joints will be used instead.



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