

ANTIROCK ASP 40 4.0 mm



BITUMINOUS MEMBRANE UNDER MASTIC ASPHALT FOR BRIDGES AND PARKING DECKS

USE

ANTIROCK ASP 40 can be used for road bridges, rail bridges, car parks or slabs under a layer of gravel asphalt recovered by mastic asphalt or ballast.

The membrane is welded and smoothed onto a substrate prepared with primer: ELASTOCOL 500 TP, AQUADERE TP (solvent-free primer), REKU P70 (PMMA resin) or REKU P30 (epoxy resin).

The asphalt is laid directly onto the membrane.



APPLICATION

The welding is performed either manually with a flame, or automatically using hot air (MACADEN or Mini-Mammoth systems). If the welding is performed manually, the membrane and the primed substrate are heated alternately.

A 90mm selvedge with no slate chippings ensures easy overlapping.

The overlay (total thickness) has to be installed within one week of installation of the ANTIROCK ASP 40 membrane. This recommended time can be reduced in the case of strong temperatures variations.

In hot weather or if the membrane is left unprotected for more than one week, a PARUVEL-type solar protection coating must be applied.

DESCRIPTION

ANTIROCK ASP 40 membrane is a torchable waterproofing membrane made from polymer modified bitumen (SBS elastomer). The bitumen coats a non-woven polyester reinforcement mesh (250 g/m²). The underside is covered by a thermo-fusible plastic film and the top surface is protected by a non-woven synthetic fibre fabric.

The non-woven top layer is white and protects against UV rays during the construction phases. It therefore does not require any form of temporary protection.

SOPREMA prides itself in working with the highest quality products. We operate with quality assurance systems, and are certified ISO 9001.

- ✓ High level of adherence to the substrate
- ✓ High mechanical resistance
- ✓ Automated installation

CHARACTERISTICS


| ESSENTIAL CHARACTERISTICS | Standard | ANTIROCK ASP 40 | EN 14695 |
|--|-------------------------|------------------------------------|----------|
| Watertightness | | | |
| Watertightness | EN 14694 | Pass | |
| Water absorption (%) | EN 14223 | 1 | |
| Tensile properties | | | |
| Tensile strength (L / T) (N/50 mm) | EN 12311-1 | ≥ 800 x 800 40 x 40 | |
| Elongation (L / T) | | | |
| Bond strength (N/mm ²) | NF P 98 282 EN 13596 | ≥ 0.4 (at 20°C) ≥ 0.7 (at 23°C) | |
| Crack bridging ability (°C) | EN 14224 | NPD | |
| Compatibility by heat conditioning | EN 14691 | 100 | |
| Flexibility at low temperature (CBR) (°C) | EN 1109 | -4 | |
| Shear strength (N/mm ²) | EN 13653 | 0.3 | |
| Resistance to thermal impact | | | |
| Surface proportion (%) | EN 14691 | 0 | |
| Thickness variation (mm) | | 0.5 | |
| Resistance to compaction of an asphalt layer | EN 14692 | NPD | |
| Durability at thermal ageing | | | |
| Flexibility at low temperature | EN 1109 | NPD | |
| Flow resistance at elevated temperature (°C) | EN 1110 | 80 | |
| Dangerous substances (Notes 1 & 2) | - | Complies | |

Note 1: This product does not contain asbestos or tar constituents.

Note 2: In the absence of European harmonized test methods, verification and declaration on release/content has to be done taking into account national provisions in the place of use.

| OTHER CHARACTERISTICS | Standard | ANTIROCK ASP 40 |
|------------------------------------|------------|-----------------------|
| Mass per unit area | EN 1849-1 | 4.3 kg/m ² |
| Thickness | EN 1849-1 | 4.0 mm sur paillettes |
| Maximum tensile force / Elongation | | |
| Longitudinal | EN 12311-1 | 20 daN/cm / 50% |
| Transverse | | 15 daN/cm / 55% |

PACKAGING

| | |
|----------------------------|-----------------------------------|
| Dimensions | 10 ml x 1 m / Jumbos 200 ml x 1 m |
| Number of rolls per pallet | 25 rolls / 1 Jumbo |
| Storage | Upright on pallet |

CE MARKING

Unique identification code of the product-type: WPBF0001. ANTIROCK ASP 40 membranes are CE marked in accordance with EN 14695.

CERTIFICATION

ANTIROCK ASP 40 has obtained the following certifications:

France:

- SNCF approvals (with Elastocol 500 TP, Aquadere TP or REKU P70 primers and resin FLASHING TP for upstands)