

TECHNICAL DATA SHEET 2956-3-1

Issue date: 06-2023

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Product name: **BITUMELIT PR 5**
Polymer bitumen torch-on membrane

Product code: 12410

Product standard: DIN EN 14695
DIN EN 13707

Roll dimensions: 7.50 m x 1.00 m (A)
50.00 m x 1.00 m (B)

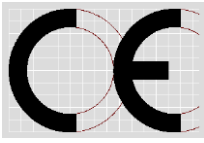
Thickness: 5.0 mm

Coating type: Plastomer bitumen
Surface: Slate
Bottom: PE-foil

Reinforcement: Polyester fleece min. 220 g/m²

Product use: BITUMELIT PR 5 is used as a single layer system for the sealing of concrete bridge decks in connection with a special protection layer made of mastic asphalt and a covering layer of asphalt concrete, mastic asphalt or split mastic asphalt or otherwise it is used to seal other traffic areas made from concrete e.g. car parks, basement ceilings etc. in connection with mastic asphalt. The BITUMELIT PR 5 is a polymer bitumen torch-on membrane with a polyester fleece reinforcement (in the upper half of the membrane). It is not necessary to mask the membrane seams and joints.

| Properties | Test method | Unit | Declared performance |
|---|----------------|-------------------|----------------------|
| Visible defects | DIN EN 1850-1 | - | No visible defects |
| Length | DIN EN 1848-1 | m | ≥ 7,50 / ≥ 50,00 |
| Width | DIN EN 1848-1 | m | ≥ 0,99 |
| Thickness | DIN EN 1849-1 | mm | 5,0 ± 0,2 |
| Straightness | DIN EN 1848-1 | mm/10 m | ≤ 10 |
| Mass per unit area | DIN EN 1848-1 | kg/m ² | 5,74 ± 10 % |
| Initial proportion of surface finish | DIN EN 12039 | % | 15 ± 10 |
| Maximum tensile force | DIN EN 12311-1 | N/50 mm | 800 / 1000 ± 200 |
| Tensile elongation | DIN EN 12311-1 | % | 45 ± 10 % |
| Water absorption | DIN EN 14223 | % | ≤ 1,5 |
| Flow resistance at elevated temperature | DIN EN 1110 | °C | ≥ + 120 |
| Flexibility at low temperatures | DIN EN 1109 | °C | ≤ - 18 |



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| Properties | Test method | Unit | Declared performance |
|---|------------------------------|-------------------|---|
| Bonding strength | DIN EN 13596 | N/mm ² | ≥ 0,5 (23°) |
| Shear strength | DIN EN 13653 | N/mm ² | ≥ 0,15 (23°) |
| Crack bridging ability | DIN EN 14224 | °C | - 10 passed |
| Compatibility by heat conditioning | DIN EN 14691 | % | ≥ 90 |
| Dimensional stability | DIN EN 1107-1 | % | ≤ 0,3 |
| Artificial aging Flexibility at low temperatures | DIN EN 1296 (DIN EN 1109) | °C | - 13 ± 5 |
| Artificial aging Flow resistance at elevated temperatures | DIN EN 1296 (DIN EN 1110) | °C | + 120 ± 10 |
| Behaviour of bitumen sheets during application of mastic asphalt | DIN EN 14693, 4.5.1 | % mm - | 0 4,4 ± 0,4 passed, without perforation |
| Water tightness | DIN EN 14694 | - | passed |

Application:

The application of BITUMELIT PR 5 is carried out according to the nationally applicable technical regulations and standards.

Note:

When carrying out custom build constructions with a combined single layered protection- and cover sheet made of mastic asphalt the overlapping of the BITUMELIT PR 5 can show through the mastic asphalt and/or form hollows or indents in the mastic asphalt where the sheets are overlapping.

Chemical resistance:

BITUMELIT PR 5 is water-resistant as well as resistant to salt-water solutions diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons as well as chlorine hydrocarbons, oils and greases loosen BITUMELIT PR 5.

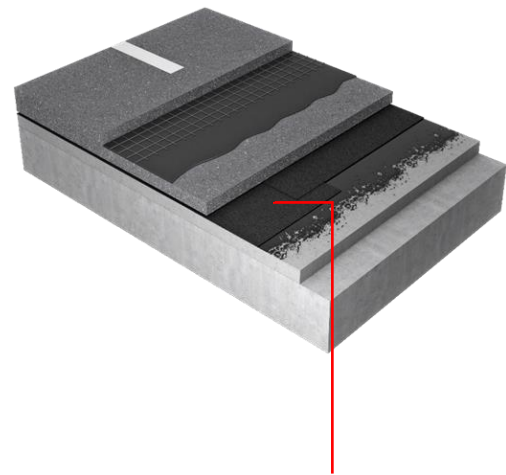
Storage:

The rolls have to be transported and stored upright. They must be protected from impact through shock and other mechanical damage. Direct moisture during transport and storage must be avoided.

Safety data sheet:

Supplementary safety data sheet is available on request.

Certification number:
1119 - CPR – 13119
1724 – CPR - 041101



BITUMELIT PR 5