



H 40036

# BARUPLAN KV E 45 B/K

|                     |   |
|---------------------|---|
| <b>Product</b>      | SBS-modified bitumen membrane with polyester reinforcement  |
| <b>Top side</b>     | Sand  |
| <b>Bottom side</b>  | Foil  |
| <b>Intended use</b> | <ul style="list-style-type: none"> <li>• Waterproofing systems for concrete bridge- and parking-decks</li> <li>• Cap sheet of two-layer waterproofing systems for concrete bridge- and parking decks</li> <li>• Base layer of two-layer waterproofing systems for concrete bridge- and parking decks</li> </ul> |
| <b>Standard</b>     | EN 14695  |
| <b>Application</b>  | Torch-on method<br>Side and end laps min. 10 cm overlap   |
| <b>Packaging</b>    | 18 rolls of 10 m x 1m = 180 m <sup>2</sup> per pallet   |

| Characteristics                               | Testing method | Unit              | Result                |
|---|----------------|-------------------|-----------------------|
| Length  | EN 1848-1      | m                 | 10,0                  |
| Width   | EN 1848-1      | m                 | 1,00                  |
| Straightness                                  | EN 1848-1      | mm/10m            | < 20                  |
| Mass per unit area                            | EN 1849-1      | kg/m <sup>2</sup> | NPD                   |
| Thickness                                     | EN 1849-1      | mm                | 4,0 (±0,2)            |
| Tensile force long./trans.                    | EN 12311-1     | N/50mm            | 1100/800 (± 200/±100) |
| Elongation at single-end breaking force       | EN 12311-1     | %                 | 50/50 (±10/±10)       |
| Dimensional stability                         | EN 1107-1      | %                 | NPD                   |
| Dimensional stability at elevated temperature | EN 14695 B     | %                 | NPD                   |
| Flexibility at low temperatures               | EN 1109        |                   | -20                   |
| Flow resistance at elevated temperature       | EN 1110        | °C                | 100                   |
| Thermal ageing behavior                       | EN 1296        | °C                | NPD                   |
| Water absorption                              | EN 14223       | %                 | ≤ 1,0                 |
| Initial amount of mineral surface protection  | EN 14965 D     | g/m <sup>2</sup>  | 280 (±100)            |

| Characteristics of performance*  | Testing method | Unit              | Result    |
|--|----------------|-------------------|-----------|
| Bond strength Type 1   | EN 13596       | N/mm <sup>2</sup> | ≥ 0,4     |
| Shear strength   | EN 13653       | N/mm <sup>2</sup> | ≥ 0,15    |
| Crack bridging ability Type 3 at -20°C   | EN 14224       | -                 | bestanden |
| Artificial ageing by long term exposure to elevated temperature  | EN 14691       | %                 | NPD       |
| Resistance to compaction of an asphalt layer   | EN 14692       | -                 | bestanden |
| Behaviour of bitumen sheets during application of mastic asphalt (relative surface proportion of stains) | EN 14693       | %                 | NPD       |
| Watertightness   | EN 14694       | -                 | bestanden |

NPD = No performance determined

The declared data are indices based on the statistical quality control and refer to the date of production. Consider state of the art, standards, legal provisions and guidelines for the suitability of the mentioned field of application and application method. All specifications are without obligation. The user must assess the suitability of the product for the particular purpose and ensure the user's access to the current version of the product data sheet.

**Subject to alteration without notice.**

Storage conditions: The products have to be stored in original packaging, being protected from direct sun light, UV-beams and extreme conditions like heat, frost, moisture, etc. During cold season store the products in a frost-free area (+5°C) for 12 hours before application.

**Development, Production and Sales of our products according to ISO 9001.**