

Nytherm PmB S 89

Nytherm PmB S 89 is a highly flexible asphalt binder for use in surface, binder and regulating courses where enhanced flexibility is required.
Nytherm PmB S 89 contains an additive to facilitate mixing, laying and compaction at lower temperatures.
Nytherm PmB S 89 complies with EN14023.

Polymer modified Bitumen, 65-105/45

Table 1: Specification information

| | Test description | Method | Unit | Min | Max | Class |
|---------------------------------------------|-----------------------------|-------------|-------------------|-----|-----|-------|
| Consistency at intermediate temperature | Penetration at 25°C | EN 1426 | mm/10 | 65 | 105 | 6 |
| Consistency at elevated service temperature | Softening Point R&B | EN 1427 | °C | 45 | - | 9 |
| Cohesion | by Force Ductility at 5°C | EN 13589 | J/cm ² | 3 | - | 2 |
| | Retained Penetration | EN 1426 | % | 50 | - | 5 |
| | Increase in Softening Point | EN 1427 | °C | - | 8 | 2 |
| | Change in mass | EN 12607-1 | weight-% | - | 0.5 | 3 |
| Other Characteristics | Flash point | EN-ISO 2592 | °C | 235 | - | 3 |

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Table 2. Additional information

| | Test description | Method | Unit | Min | Max | |
|---------------------------|-----------------------------------------------|----------|-------------------|-----|-------|---|
| Safety and handling * | Minimum pumping temperature | - | °C | 120 | - | |
| | Typical mixing temperatures | - | °C | 155 | 175 | |
| | Maximum safe handling and storage temperature | - | °C | - | 190 | |
| Technical characteristics | Fraass breaking point | EN 12593 | °C | | -18 | 8 |
| | Elastic recovery at 25°C | EN 13398 | % | 50 | - | 5 |
| | Density at 25°C | EN 3838 | g/cm ³ | | 1.025 | |
| | Storage stability | EN 13399 | °C | - | 5 | 2 |
| | Difference in softening point | EN 1427 | | | | |
| | Solubility in toluene | EN 12592 | % | 99 | - | |

* For specific information on binder handling and storage please refer to the Product Information and Safety Data sheets.

This product fulfils EN14023 requirements for polymer modified bitumen and is CE marked.

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