



MATERIAL DATA SHEET · Issue 08/2026

## SOLUT BW Blanket 1200

### Product description

Long-fibre, bio-soluble blankets based on silicon oxide for the most demanding requirements. They are produced in various classification temperatures, densities and thicknesses and are needed on both sides.

| Product designation                  | SOLUT BW 1200 BLANKET |
|--------------------------------------|-----------------------|
| Classification temperature (°C)      | 1200                  |
| <b>Typical chemical analysis (%)</b> |                       |
| SiO <sub>2</sub>                     | 62–68                 |
| CaO                                  | 26–32                 |
| MgO                                  | 4–7                   |
| Colour                               | white                 |
| Shot content (%)                     | ≤ 12                  |
| Density (kg/m <sup>3</sup> )         | 64 · 96 · 128         |
| Tensile strength (kPa)               | 30 · 50 · 70          |
| Linear shrinkage (%)                 | 1200 °C × 24 h ≤ 2,5  |
| <b>Thermal conductivity (W/m K)</b>  |                       |
| 200 °C                               | 0,06 · 0,05 · 0,05    |
| 400 °C                               | 0,11 · 0,09 · 0,08    |
| 600 °C                               | 0,17 · 0,13 · 0,12    |
| 800 °C                               | 0,28 · 0,20 · 0,17    |
| 1000 °C                              | 0,40 · 0,28 · 0,25    |

\* The maximum continuous application temperature depends on the operating and application conditions and on the design of the lining. Please contact our technical office for clarification. The data result from average test results according to standard test methods, are subject to variation and are not intended for specification purposes.

### Delivery forms (tolerances)

| Thickness (mm) → Bulk density (kg/m <sup>3</sup> ) | 64 | 96 | 128 | 160 | Roll length (m) |
|----------------------------------------------------|----|----|-----|-----|-----------------|
| 6                                                  | •  | •  |     |     | 22,00           |
| 10                                                 | •  | •  |     |     | 18,30           |
| 13                                                 | •  | •  | •   |     | 14,64           |

|    |   |   |   |   |       |
|----|---|---|---|---|-------|
| 19 | • | • | • | • | 10,00 |
| 25 | • | • | • | • | 7,32  |
| 38 | • | • | • | * | 5,00  |
| 50 | • | • | • | • | 3,66  |

Standard roll width 610 mm. Lengths and densities on request, subject to minimum order quantities.

## Fields of application

Lining and thermal insulation of various industrial plants. The blankets can be cut very easily with standard knives or scissors. Fastening to a metal structure is done with a ready-to-use, pasty assembly adhesive. For layered linings, metallic or ceramic anchoring systems have proven themselves depending on the operating temperature.

For precautions and health hazards when processing SOLUT BW Blanket, please refer to our safety data sheet.

All technical data given are approximate values. They are based on the evaluation of tests on specific samples and have been presented and described to the best of our knowledge. Due to the manufacturing process, deviations in product properties cannot be excluded. They are therefore not to be construed as a warranty for which SBS Refractory Service GmbH assumes legal liability. We reserve the right to make technical changes in the light of new findings; errors and misprints excepted.

## Questions about selection, installation or availability?

Reply within 24 hours on working days.

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**Product page: [www.sbs-rs.de/en/materialien/keramikfaser](http://www.sbs-rs.de/en/materialien/keramikfaser)**