



MATERIAL DATA SHEET · Issue 08/2026

## SOLUT MP Board 100

### Product description

Microporous insulation board based on silicon dioxide/calcium oxide for temperatures up to 1,000 °C.

|                                     |                                  |
|-------------------------------------|----------------------------------|
| Designation                         | microporous board                |
| Chemical formula                    | $\text{SiO}_2 \times \text{CaO}$ |
| Appearance                          | white board                      |
| Compressive strength                | $\geq 0,72 \text{ MPa}$          |
| Density ( $\text{kg/m}^3$ )         | $270 \pm 10 \%$                  |
| Flexural strength                   | $\geq 0,41 \text{ MPa}$          |
| Temperature limit                   | 1.000 °C                         |
| Mean particle size                  | 8,9 $\mu\text{m}$                |
| Linear shrinkage (%)                | $\leq 2$                         |
| <b>Thermal conductivity (W/m K)</b> |                                  |
| 100 °C                              | $\leq 0,059$                     |
| 200 °C                              | $\leq 0,068$                     |
| 400 °C                              | $\leq 0,079$                     |
| 800 °C                              | $\leq 0,193$                     |
| <b>Chemical composition</b>         |                                  |
| $\text{SiO}_2$                      | 47,20 %                          |
| $\text{CaO}$                        | 45,10 %                          |
| $\text{Fe}_2\text{O}_3$             | 0,26 %                           |
| $\text{Al}_2\text{O}_3$             | 1,03 %                           |
| Balance                             | 6,41 %                           |

For precautions and health hazards when processing SOLUT MP Board 100, 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)