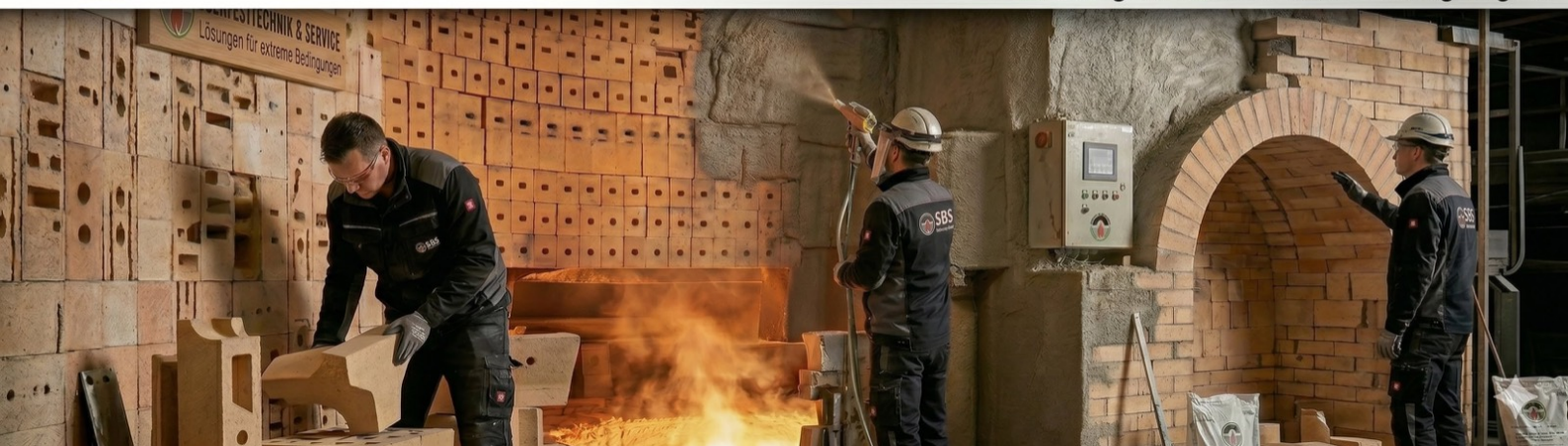




MATERIAL DATA SHEET · Issue 08/2026

SOLUT Module ST · HA · HZ

Product description

SOLUT Module is a lightweight lining system made from high-temperature SOLUT Blanket. Prefabricated modules of folded or cut blanket strips are arranged perpendicular to the lining surface and compressed to the required density of 160–220 kg/m³.

Product designation	SOLUT ST MODULE	SOLUT HA MODULE	SOLUT HZ MODULE
Classification temperature (°C)	1260	1350	1430
Typical chemical analysis (%)			
Al ₂ O ₃	≥ 43	≥ 52	≥ 35
SiO ₂	≥ 54	≥ 47	≥ 49
ZrO ₂	—	—	≥ 15
Colour	white	white	white
Density (kg/m³)	160 – 220	160 – 220	160 – 220
Linear shrinkage (%)	1000 °C × 24 h ≤ 2,5	1200 °C × 24 h ≤ 3,0	1350 °C × 24 h ≤ 3,0
Thermal conductivity (W/m K)			
400 °C	0,10	0,10	0,10
600 °C	0,18	0,16	0,15
800 °C	0,20	0,20	0,19
1000 °C	0,27	0,26	0,26

Characteristics

- Simple and fast installation
- Stable mechanical anchoring
- Variable shapes and sizes
- Thermal shock resistance
- Low thermal shrinkage
- Low heat storage
- Good chemical resistance
- Good abrasion resistance
- Numerous anchoring systems

Fields of application

- Covers for soaking pits
- Covers for casting pits
- Hoods for launders
- Bogie hearth furnaces
- Rotary hearth furnaces
- Annealing furnaces
- Tempering furnaces
- Tunnel kilns
- Glazing kilns
- Heat exchangers
- Duct linings
- Heat recovery systems
- Boiler insulation
- Chimney linings

Processing

The modules are fastened mechanically, either with laterally or centrally mounted anchoring systems, on the cold face of the plant. To simplify installation, the modules are supplied pre-punched with lateral plastic or plywood panels.

For precautions and health hazards when processing SOLUT Module, 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