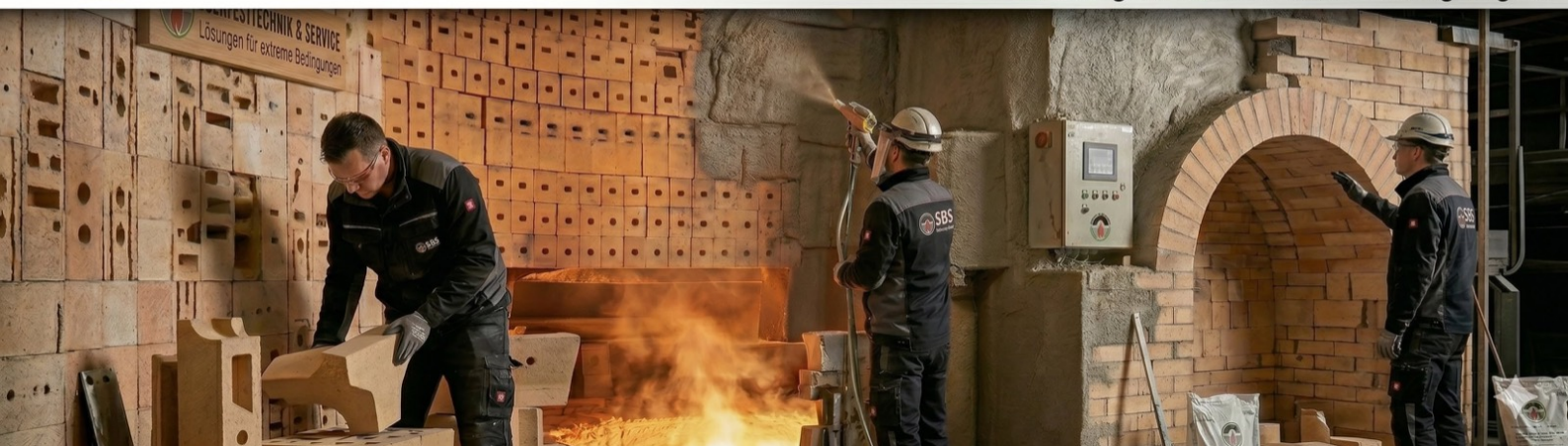




MATERIAL DATA SHEET · Issue 08/2026

SOLUT Blanket ST · HA · HT

Product description

Long-fibre blankets based on aluminium and 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 ST BLANKET	SOLUT HA BLANKET	SOLUT HT BLANKET
Classification temperature (°C)	1260	1350	1430
Typical chemical analysis (%)			
Al ₂ O ₃	≥ 44	≥ 52	≥ 35
SiO ₂	≥ 55	≥ 47	≥ 49
ZrO ₂	—	—	≥ 15
Colour	white	white	white
Shot content (%)	≤ 15	≤ 15	≤ 12
Density (kg/m ³)	96 · 128	96 · 128	96 · 128
Tensile strength (kPa)	50 · 70	50 · 70	50 · 70
Linear shrinkage (%)	1100 °C × 24 h ≤ 2,5	1200 °C × 24 h ≤ 3,0	1350 °C × 24 h ≤ 3,0
Thermal conductivity (W/m K)			
200 °C	0,06 · 0,06	0,06 · 0,06	0,06 · 0,06
400 °C	0,11 · 0,10	0,11 · 0,10	0,11 · 0,10
600 °C	0,19 · 0,17	0,18 · 0,16	0,16 · 0,15
800 °C	0,23 · 0,20	0,22 · 0,20	0,21 · 0,19
1000 °C	0,31 · 0,26	0,30 · 0,26	0,30 · 0,26

Delivery forms (tolerances)

Thickness (mm)	6,4 (+2)	12,7 (+3)	19,1 (+4)	25,4 (+5)	38,1 (+5)	50,8 (+7,5)
Length (mm)	5500 (+150)	14640 (+150)	9700 (+150)	7320 (+150)	4880 (+150)	3660 (+150)
Width (mm)	610 (+3)	610 (+3)	610 (+3)	610 (+3)	610 (+3)	610 (+3)
Rolls per carton	4	1	1	1	1	1

* Roll width 1220 mm on request

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 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.

info@sbs-rs.de

+49 89 541 960 200

Product page: www.sbs-rs.de/en/materialien/keramikfaser