



MATERIAL DATA SHEET · Issue 08/2026

SOLUT CAL Board LD · HD

Product description

Large-format calcium silicate board with high thermal resistance.

Product designation	SOLUT CAL Board LD	SOLUT CAL Board HD
Colour	white/beige	white/beige
Classification temperature (°C)	1000	1000
Shrinkage	0,4 % (12 h at 900 °C)	0,4 % (12 h at 1000 °C)
Bulk density	250 / 350 kg/m³	770 kg/m³
Cold crushing strength	13 N/mm²	27 N/mm²
Flexural strength	7 N/mm²	10 N/mm²
Reversible thermal expansion	2,2 · 10 ⁻⁶ m/m K (20–800 °C)	2,2 · 10 ⁻⁶ m/m K (20–800 °C)
Specific heat capacity	0,96 kJ/kg K	1,03 kJ/kg K
Thermal conductivity (W/m K)		
20 °C	0,18	0,29
200 °C	0,19	0,30
400 °C	0,20	0,31
600 °C	0,22	0,32
800 °C	0,24	0,33
Chemical analysis		
SiO ₂	51 %	51 %
CaO	34 %	35 %
Fe ₂ O ₃	4,5 %	1 %
Loss on ignition	9,5 %	9 %
Alkalinity (pH value)	ca. 7–10	ca. 7–10
Moisture content (air-dry)	ca. 3 %	ca. 3 %

Delivery forms (tolerances)

Length and width

2440 mm × 1220 mm

Thickness (mm) — LD	12,7 · 19,1 · 25,4 · 31,8 · 38,1 · 50,8 mm
Thickness (mm) — HD	12,7 · 20 · 25 · 30 · 40 · 50 mm
Tolerances — Length and width	± 5 mm
Tolerances — Thickness (mm)	– 0,8 / 0 mm

Processing

SOLUT CAL Board has proven itself for demanding insulation constructions where adequate strength is required in addition to effective thermal insulation. The board can be worked with normal woodworking tools and can be sawn, milled and drilled. Processing generates dust that may be harmful to health: avoid contact with eyes and skin, do not inhale dust, extract dust.

For precautions and health hazards when processing SOLUT CAL Board, 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