

SILCA® 250KM

SILCA® 250KM is a true European champion. In addition to the Swiss Fire Safety Certificate No. 15202 from the Association of Cantonal Fire Insurance Companies (VKF), Certificate No. 120-0238 from Scandinavia's largest independent Research Institute, RISE FR has been issued. Obviously, the values required by the OE Norm B8311 (Installation and construction of domestic heat generating systems) have been achieved. Internationally, this means safety and trouble-free delight for construction and heating of domestic fireplaces. **SILCA® 250KM** has been certified according to the standard EN 14306:2009+A1:2013, (No. 0432-CPR-00697-01).

SILCA® 250KM combines brickwork and thermal insulation into one construction material and guarantees therefore not merely better values than comparable products. The required technical

rules TR-OL (Stove and Air Heating Constructors Association) and further national regulations are provided in the respective diagrams. Depending on the application, active rear ventilation may have to be provided.

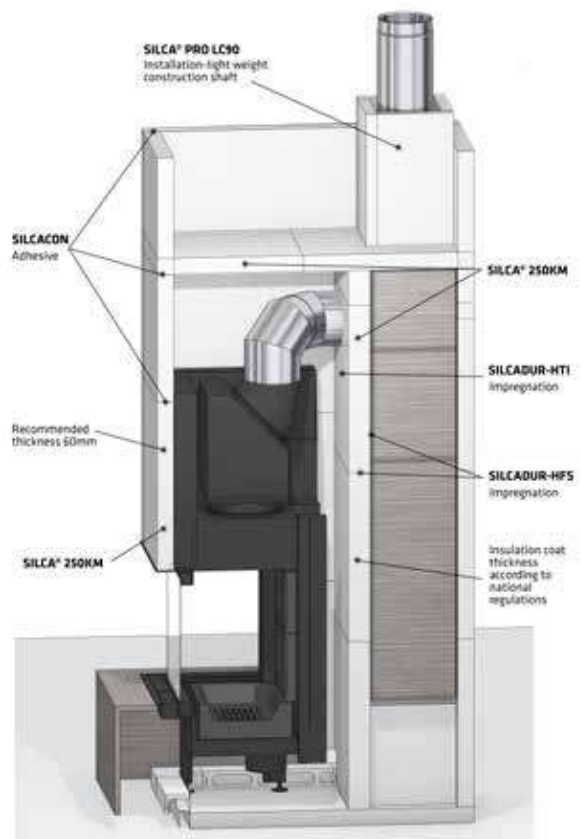
In addition to standard sizes, cuts can be made directly in the factory upon request. **SILCA® 250KM** can be processed with standard wood machining tools. It is also possible to use screws during installation.

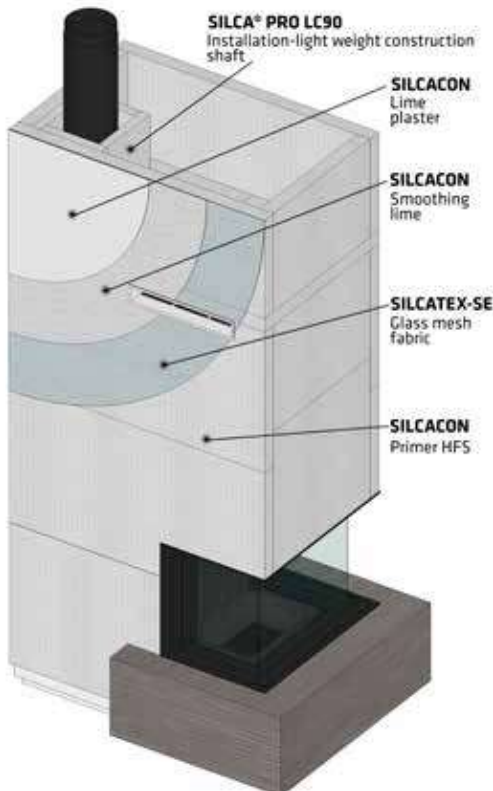
The calcium silicate board has been awarded the environmental product declaration by the Institute for Construction and Environment Inc. (IBU) in accordance with ISO 14025 and EN 15804. **SILCA® 250KM** can be disposed of as construction waste in accordance with European Waste Catalogue (EAK) code 170101.



SPECIAL PROPERTIES OF SILCA 250KM

- Space utilisation due to less insulation thickness
- Non-flammable
- Environmental-friendly construction product
- Physiologically harmless
- Brickwork and thermal insulation in one building material
- Large size boards
- Easy handling and treatment
- Problem-free disposal as construction rubble
- Can be used as insulation and construction board



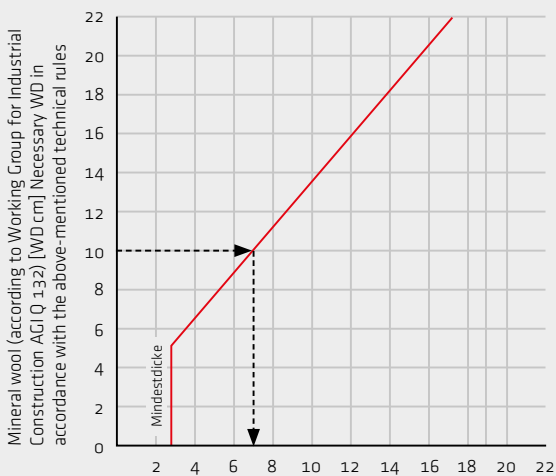


Technical data SILCA® 250KM	
Approved for Germany	General Construction Technique Permit
Approved for Switzerland	No. Z-43.14-117
RISE FR Certification	Fire Safety Certificate No. 15202
CE Certificate	120-0238 (50mm)
Fire performance	0432 CPR-00697-01
Bulk density (± 10%)	Euro class A1
Porosity	250 kg/m ³
Compressive strength	Approx. 90 %
Heat transmission resistance at 40 mm board thickness	> 1.4 MPa
Thermal conductivity λ at 200 °C	≥ 0.5 m ² K/W
Thermal expansion at 500 °C	< 0.1 W/m K
Standard size in mm	3,000x1,250, 2,000x1,250, 1,500x1,250, 1,500x1,250, 1,250x500, 1,000x625, 625x500
Standard thickness in mm	30-100

The properties mentioned are typical values from series tests, which were determined according to recognised test methods. Material and product-specific variations must be taken into account. The information does not indicate assured properties and cannot be used for a guarantee. We reserve the right to make technical changes.

For using in accordance with the technical rules of the Tiled Stove and Air Heating Constructors Association

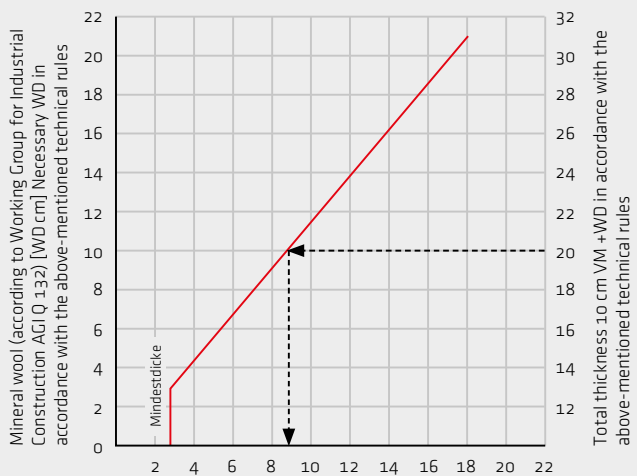
a) As a replacement for thermal insulation level WDS 1-2



Example:
Necessary thermal insulation (WD) with mineral wool (according to Working Group for Industrial Construction AGI Q 132) as per manufacturer's specification: 10 cm

Corresponds to 7.3 cm SILCA® 250KM

b) As a replacement for brickwork and thermal insulation level WDS 3-4



Example:
Necessary thermal insulation (WD) with mineral wool (According to Working Group for Industrial Construction AGI Q 132) as per manufacturer's specification: 10 CM
Necessary brickwork (VM) in accordance with technical rules: 10 cm
Total thickness according to DIN 18892: 20CM

Corresponds to 8.9 cm SILCA® 250KM