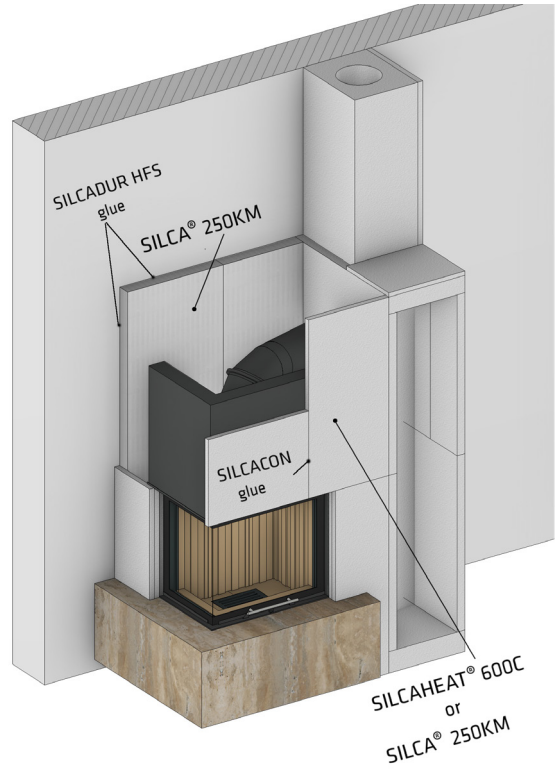


## SPECIAL FEATURES

- ألواح صنع ألمانيا
- عازل حراري
- غير قابل للإشتعال
- يستعمل كعازل للشبميينيه وفي البناء

- Made in Germany Calcium Silicate boards
- Insulation + Fire Protection in one board
- Non-Combustible
- Applicable for Insulation and Construction



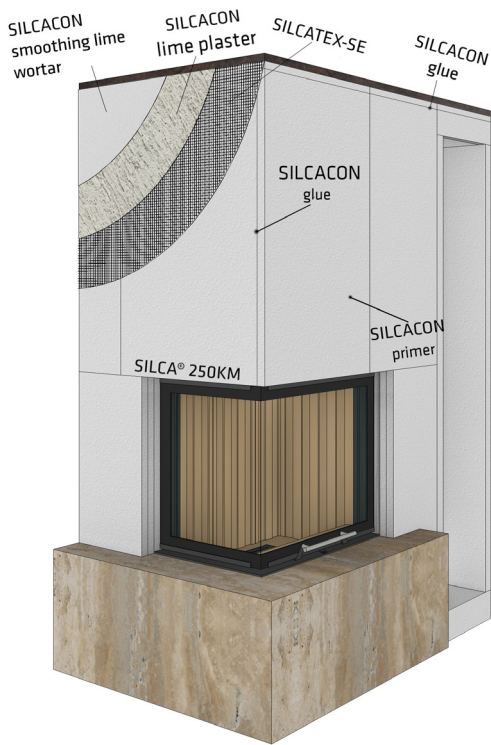
## SILCA® 250KM

**SILCA® 250KM** is a real European champion. Thus the VKF Vereinigung Kantonaler Feuerversicherungen (Association of Swiss Cantonal Fire Insurance Underwriters) issued the Swiss Fire Prevention Approval no. 15202, the biggest Scandinavian research institute SINTEF issued certificate no. 120-0238, and for sure our **SILCA® 250KM** insulation board also achieves the results required by the new Austrian standard Ö-Norm B8311 in its issue 2013-12-15. Across the borders this means safety and untroubled pleasure in the building and heating of domestic fire places. According to standard EN 14 306:2010 **SILCA® 250KM** received the certificate no. 0432-CPD-420002242/2-6.

and not only for this reason guarantees more favorable results than comparable products. The required thickness of the insulation layer is determined on the basis of the assembly instructions of the stove manufacturers, the technical rules TR-OL and further national regulations. Depending on the individual case of application and where appropriate, an active air ventilation has to be provided.

The calcium silicate insulation board has been certified with the environmental product declaration by Institut Bauen und Umwelt e.V. (IBU, Institute for Construction and Environment) in accordance with ISO 14025 and EN 15804. **SILCA® 250KM** can be disposed of as construction rubble in accordance with the European waste catalogue code EWC 170101.



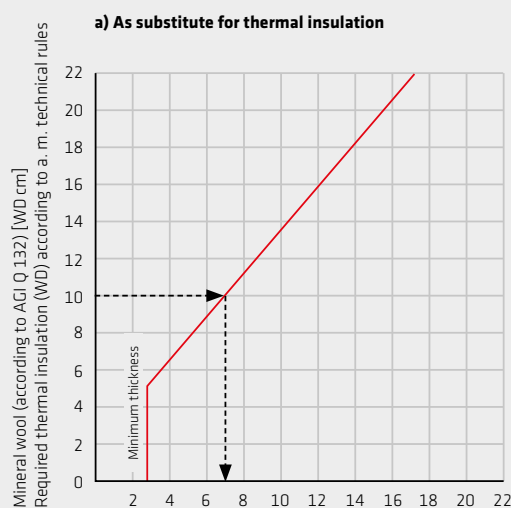


### Material designation SILCA® 250KM

Approval in Germany	National technical approval no Z-43.14-117 valid for fireplace and tiled stove construction
Approval in Switzerland	Fire Prevention Approval no. 15202
Approval SINTEF NBL	120-0238 (50mm)
CE-Certificate	0432-CPD-420002242/2-6
Reaction to fire	Non-combustible A1 by DIN EN 13501-1
Bulk density ( $\pm 10\%$ )	250 kg/m <sup>3</sup>
Porosity	approx. 90%
Compressive strength	> 1,4 MPa
Thermal resistance (board thickness 40 mm)	$\geq 0,5 \text{ m}^2 \text{ K/W}$
Thermal conductivity at 200 °C	< 0,1 W/m K
Thermal expansion at 500 °C	< 0,2 %
Standard dimensions in mm	2.000x1.250
Standard thicknesses in mm	30

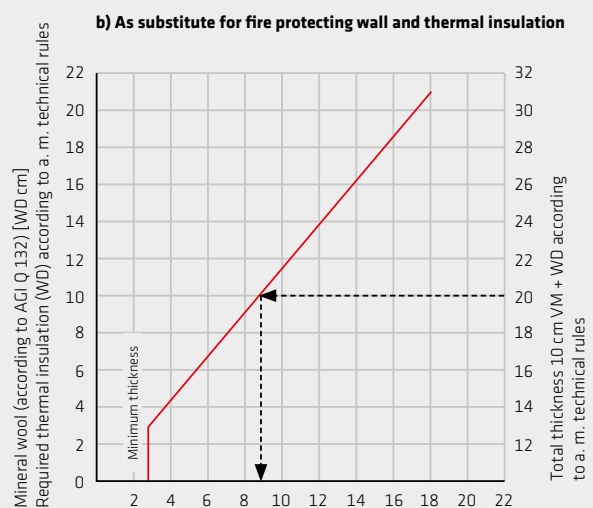
The properties indicated are typical values obtained in serial testing and determined by acknowledged test methods. Product specific spreading of results should be taken into account. The indications do not represent guaranteed properties and cannot be used for any warranty claim. Subject to technical modifications.

### For application according to the regulations of the tiled stove and air heating trade



Example:  
Required thermal insulation (WD) with mineral wool (according to AGI Q 132) according to manufacturer instruction: 10 cm

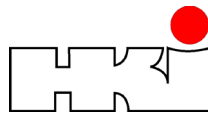
**Corresponds 7,3 cm SILCA® 250KM**



Example:  
Required thermal insulation (WD) with mineral wool (according to AGI Q 132) according to manufacturer instruction: 10 cm  
Required fire protection wall (VM) according to technical regulation: 10 cm  
Total thickness according to DIN 18892: 20cm

**Corresponds 8,9 cm SILCA® 250KM**

**SILCA is a member of**



**dafa**  
by Group Four

**BEIRUT - KASMIEH - ZEFTA**

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**Dafa** is the Exclusive Agent of Silca in Lebanon