



Glass fibre products

Calcium silicate fibre paper

Artikeldescription: KS100

Preparations: Without any additionally preparations

Materials: Paper-like product made of non-combustible inorganic

filaments

Mechanical properties: Thermal properties:

- Asbestos-free - Non-combustible (inorganic filaments)

- Heat resistant - Melting point: ~ 1330 °C

- Max. continuous temperature: 1050 °C

- Permanent linear shrinkage: ≤ 4 %

(At 1200 °C after 24 hours)
- Loss on ignition ≤ 12 %

Density: $\sim 150 \text{ kg/m}^3$

Tensile strength: ≤ 12 %

Thermal conductivity: At 200 °C ~ 0.05 W/(m·K)

At 400 °C ~ 0.08 W/(m·K) At 600 °C ~ 0.11 W/(m·K) At 800 °C ~ 0.15 W/(m·K) At 1000 °C ~ 0.20 W/(m·K)

Applications:

Typical applications for heat and fire protection based on alkaline earth silicate fibre. It is mainly used for the insulation of casting ladles. The fibre can be easily pressed against the coil body during processing.

Application limits: Max. continuous operating temperature of 1050 °C must be observed.

Dimensions: Thickness (mm) 1.0 - 6.0 mm *

Width (mm) 500 mm or 1000 mm *

* Further dimensions on request

The above information is based on the current state of our knowledge of the product indicated and is given to the best of our knowledge and belief. A warranty claim cannot be derived from this information. All previous editions are hereby invalid.