



## Calcium silicate fibre paper

<b>Artikeldescription:</b>	KS100
<b>Preparations:</b>	Without any additionally preparations
<b>Materials:</b>	Paper-like product made of non-combustible inorganic filaments

### Mechanical properties:

- Asbestos-free
- Heat resistant

### Thermal properties:

- Non-combustible (inorganic filaments)
- Melting point: ~ 1330 °C
- Max. continuous temperature: 1050 °C
- Permanent linear shrinkage: ≤ 4 %  
(At 1200 °C after 24 hours)
- Loss on ignition ≤ 12 %

<b>Density:</b>	~ 150 kg/m <sup>3</sup>	
<b>Tensile strength:</b>	≤ 12 %	
<b>Thermal conductivity:</b>	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.

<b>Dimensions:</b>	Thickness (mm)	1.0 - 6.0 mm *
	Width (mm)	500 mm or 1000 mm *

\* Further dimensions on request