

## MATERIAL DATA SHEET

### Material description:

**ALSIFLEX®-1430** is aluminium silicate wool. It is a refractory high temperature wool based on aluminium, zirconium and silica oxide. ALSIFLEX® wool is lightweight, flexible insulating material with high permanent temperature resistance, low thermal conductivity and partly high chemical resistance.

### Specifications:

Designation and type:	<b>ALSIFLEX®-1430</b>		
Colour:	white		
Classification temperature:	1400	°C	
Bulk density:	100 (96), 130 (128), 160	kg/m <sup>3</sup>	
Melting point:	1740	°C	
Specific heat capacity:	1,04	kJ/kg.K	
Shrinkage at 1400 °C / 24 h:	2,6	%	
Thermal conductivity at: (at BD 130 kg/m <sup>3</sup> )	400 °C	0,09	W/m.K
	600 °C	0,13	W/m.K
	800 °C	0,19	W/m.K
	1000 °C	0,27	W/m.K
	1200 °C	0,36	W/m.K
Chemical analysis:	Al <sub>2</sub> O <sub>3</sub>	28-32	%
	SiO <sub>2</sub>	52-56	%
	ZrO <sub>2</sub>	14-18	%

All details correspond to the state of technology and have been described to the best of our knowledge. Changes on the base of new results are possible. Data in material data sheet are higher priority, that data in catalogue.

Last revision: 10/2018