

## Technical Data Sheet

## Silica fleece -a/VA50



Silica fleece -a/VA50 is a mechanically solidified needle fleece material based on silica fibres laminated with a foil from stainless steel (thickness approx. 50 µm).

Technical Data			
Type (Silica fleece...)		6/160a/VA50	25/170a/VA50
Thickness (approximate)	[mm]	6.0 ± 1.0	25.0 ± 2.0
Weight (approximate)	[kg/m <sup>2</sup> ]	0.96 ± 0.12	4.3 ± 0.52
Density (approximate)	[kg/m <sup>3</sup> ]	160.0	170.0
Thermal stability long term	[°C]	1,100	
Cold resilience	[°C]	- 40	
Heat conductivity (Density 130 kg/m <sup>3</sup> ) (Density 220 kg/m <sup>3</sup> )	[W/mK]	0.05 (at 200 °C) - 0.33 (at 1,000 °C) 0.05 (at 200 °C) - 0.24 (at 1,000 °C)	
Vibration behavior		resilient	
Physiology		not dangerous	
Toxicology		not dangerous	
Diameter of fibres	[µm]	6 - 9	
Combustibility		non-inflammable	

- Main function:** Heat insulation, airborne sound absorption (absorption)
- Applications:** Heating, furnace, foundry equipment, exhaust systems, catalytic converters etc.
- Processing:** Mechanical attachment  
 Cut with scissors, knives, etc.  
 Processing temperature: 18 - 25 °C
- Options:** Self-adhesive for installation,  
 without lamination or lamination with aluminum foil,  
 binder-free needling with silica fabric  
 other thicknesses and grades upon request
- Storage conditions:** Dry at temperatures between 18 - 25 °C  
 Max. storage time: unlimited
- Delivery form:** Rolls, roll length 10 running meter or water-jet cutting  
 Minimum purchase 10 m<sup>2</sup>

The technical data (average values) as well as material information are based on our present knowledge and experiences. They free the user because of the fullness of possible influences by the application of our products, however, not from own tests and attempts in the approach of the real application. Because of the peculiarities of every individual case we can take over no liability for our indications. On request we are available gladly with information.