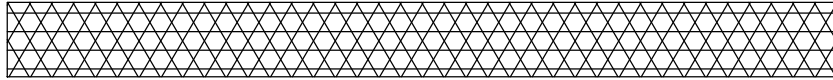


Technical Data Sheet

SiBa/-a



silica/basalt-fleece

SiBa/ -a is a mechanically solidified needle fleece material on basis of a mixture of basalt fibers (approx. 70 %) and Silica fibers (approx. 30 %).

Technical Data					
Type (SiBa...)		4/160a	10/150a	20/150a	25/170a
Thickness (approximate)	[mm]	4.0	10.0	20.0	25.0
Weight (approximate)	[kg/m ²]	0.64	1.5	3.0	4.25
Density (approximate)	[kg/m ³]	160.0	150.0	150.0	170.0
Thermal Stability Long Term	[°C]	700			
Thermal Stability Short Term	[°C]	750			
Heat Conductivity (Density 150)	[W/mK]	0.05 (at 200 °C) 0.15 (at 600 °C)			
Vibration Behavior		Resilient			
Physiology		Not Dangerous			
toxicology		not dangerous			
Diameter of Fibers	[µm]	> 6			
Burning Behavior		Non-inflammable			

Main Function: Heat insulation, sound absorption

Applications: Heaters, furnaces, foundry devices, exhaust systems, catalytic converters etc.

Processing: Mechanical attachment
 Cut with shears, knives etc.
 Processing temperature: 18 - 25 °C

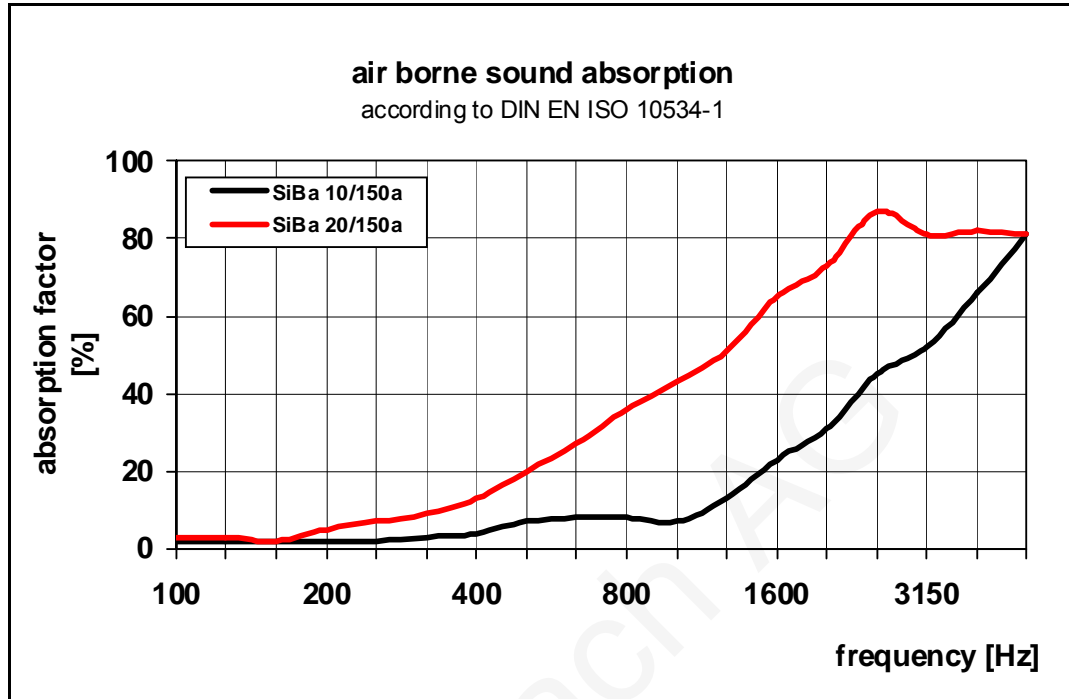
Option: Self adhesive for installation,
 Aluminum foil lining,
 Needling free of binding agent with silica fleece and silica fabric,
 other thicknesses and grades upon request

Storage conditions: Dry at temperatures between 18 - 35 °C
 Max. storage time: unlimited

Delivery Form: Rolls, roll length 10 lm. or water jet cutting

Technical Data Sheet

SiBa/-a



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.