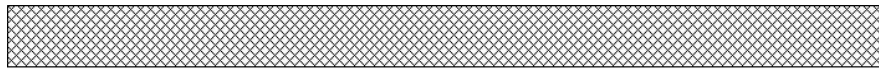


## Technical Data Sheet

## Glass fleece/-a



glass fleece

Glass fleece/-a is a binderless, mechanically solidified needle fleece material out of e-glass according to DIN 1259.

Technical Data				
Type (Glass fleece...)		400a	800a	1000a
Thickness (approximate)	[mm]	4.0 ± 1.0	6.0 ± 1.0	7.0 ± 1.0
Weight (approximate)	[kg/m <sup>2</sup> ]	0.4 ± 0.05	0.8 ± 0.09	1.0 ± 0.12
Density (approximate)	[kg/m <sup>3</sup> ]	100.0	133.0	150.0
Thermal stability short term	[°C]	600		
Cold resilience	[°C]	- 40		
Heat conductivity (density 170 kg/m <sup>3</sup> )	[W/mK]	0.037 (at 50 °C) 0.102 (at 500 °C)		
Vibration behaviour		resistant		
Physiology		not dangerous		
Toxicology		not dangerous		
Diameter of fibers	[µm]	> 6		
Combustibility		non-inflammable		

Technical Data				
Type (Glass fleece...)		1500a	2000a	2500a
Thickness (approximate)	[mm]	9.0 ± 1.0	12.0 ± 1.5	15.0 ± 2.0
Weight (approximate)	[kg/m <sup>2</sup> ]	1.5 ± 0.18	2.0 ± 0.24	2.5 ± 0.30
Density (approximate)	[kg/m <sup>3</sup> ]	170.0		
Thermal stability short term	[°C]	600		
Cold resilience	[°C]	- 40		
Heat conductivity (density 170 kg/m <sup>3</sup> )	[W/mK]	0.037 (at 50 °C) 0.102 (at 500 °C)		
Vibration behaviour		resistant		
Physiology		not dangerous		
Toxicology		not dangerous		
Diameter of fibers	[µm]	> 6		
Combustibility		non-inflammable		

## Technical Data Sheet

## Glass fleece/-a

Technical Data			
Type (Glass fleece...)		3000a	4500a
Thickness (approximate)	[mm]	20.0 ± 2.0	25.0 ± 2.0
Weight (approximate)	[kg/m <sup>2</sup> ]	3.0 ± 0.36	4.5 ± 0.54
Density (approximate)	[kg/m <sup>3</sup> ]	150.0	180.0
Thermal stability short term	[°C]	600	
Cold resilience	[°C]	- 40	
Heat conductivity (density 170 kg/m <sup>3</sup> )	[W/mK]	0.037 (at 50 °C) 0.102 (at 500 °C)	
Vibration behaviour		resistant	
Physiology		not dangerous	
Toxicology		not dangerous	
Diameter of fibers	[µm]	> 6	
Combustibility		non-inflammable	

**Main function:** Heat insulation, airborne sound absorption (absorption)

**Applications:** Heaters, furnace, heating cabins, exhaust systems etc.

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

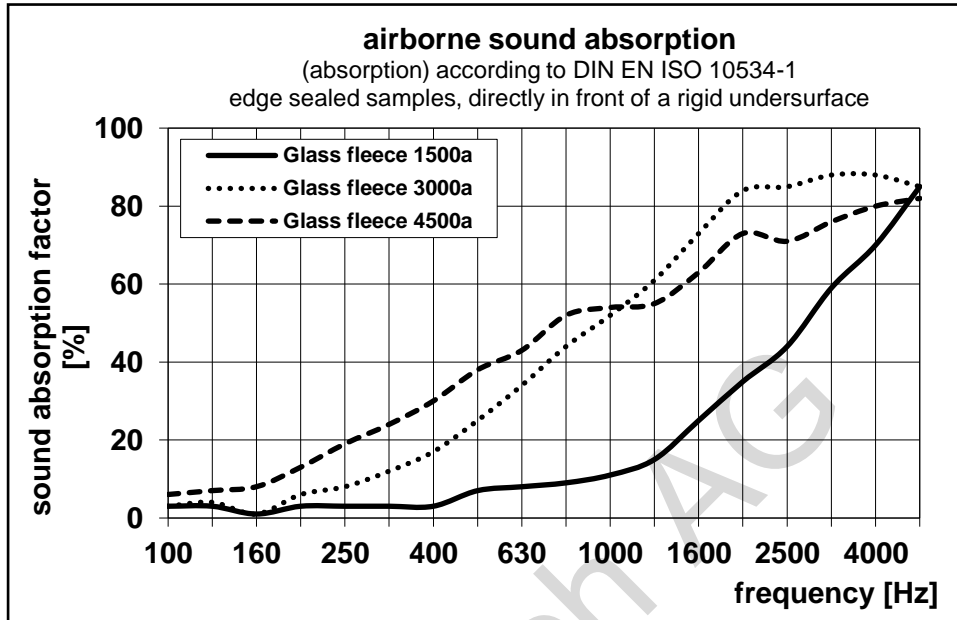
**Options:** Self-adhesive for installation,  
 lamination with foils of aluminium,  
 version as a needled knitted fabric mat,  
 other thicknesses and grades upon request

**Storage conditions:** Dry at temperatures between 18 - 25 °C  
 Max storage time: unlimited

**Delivery form:** Rolls,  
 roll length 10 running meters, 1,000 mm wide (Glass fleece 3000a / 4500a),  
 roll length 15 running meters, 1,000 mm wide (Glass fleece 2500a),  
 roll length 20 running meters, 1,000 mm wide (Glass fleece 1500a / 2000a),  
 roll length 30 running meters, 1,000 mm wide (Glass fleece 800a / 1000a),  
 roll length 50 running meters, 1,000 mm wide (Glass fleece 400a)  
 Other sizes and water-jet cutting on request.  
 Minimum purchase on request.

## Technical Data Sheet

## Glass fleece/-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.