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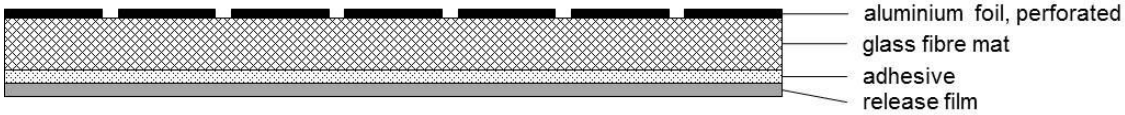
Steinbach AG
Industrial Components

Technical Data Sheet M 1761



M 1761 is a glass fibre mat, lined with a perforated aluminium foil (thickness approx. 0.09 mm, hole diameter approx. 1.5 mm, hole portion approx. 7 %).
Self-adhesive equipment with a high-quality adhesive system based on acrylate.

Technical Data				
Type (M 1761/…)		**3**	**7**	**12**
Thickness (approximate)	[mm]	3.0	7.0	12.0
Weight (approximate)	[kg/m²]	1.25 ± 0.25	2.0 ± 0.25	3.3 ± 0.4
Thermal stability during 2h	[°C]	180		
Radiation heat on aluminium		< 250		
Cold resilience	[°C]	- 40 (bonded)		
Heat conductivity ISO 8301	[W/mK]	0.035		
Heat transfer resistance	[m²K/W]	0.1	0.2	0.35
Peel resistance	[N/mm]	> 0.5		
Combustibility FMVSS 302 DIN 75200	[mm/min]	burn rate < 100		
Burning behaviour EN 45545-2 (08/2019)		flame spread CFE rate of heat emission MARHE smoke density smoke toxicity CIT_G		R1, HL3 R1, HL3 R1, HL3 R1, HL3

Main function: Airborne sound absorption (absorption) and heat insulation

Applications: Mechanical engineering, plant construction, sound insulating cabins, engine compartment, exhaust area, catalytic converters etc.

Processing: The surface must be carefully cleaned from dust, grease, oil and water. Full area adhesion has to be insured. The adhesion strength is directly dependent from the processing pressure. The material has to be pressed in firmly, e.g. using a feed roll.
Processing temperature: 18 - 25 °C

Storage conditions: Dry at temperatures between 18 - 25 °C
Stack ability: 200 parts (M 1761/3),
100 parts (M 1761/7),
50 parts (M 1761/12) till 50 °C
Max storage time: 6 months

Delivery forms: Standard boards approx. 1,600 x 1,000 mm,
usable board size approx. 1,600 x 980 mm,
other sizes and cut-to-size pieces upon request

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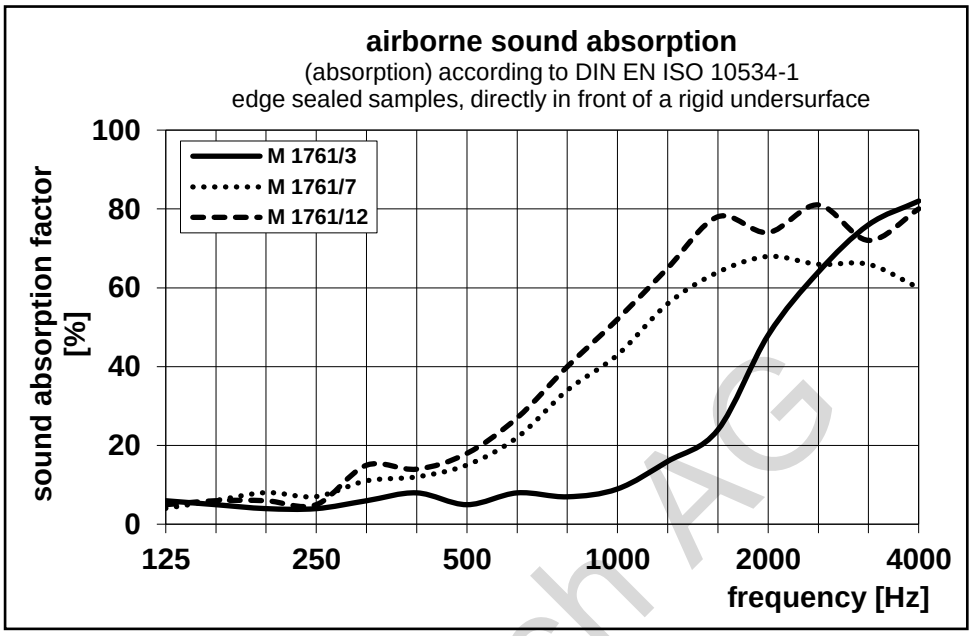

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The technical data (average values) as well as material information are based on our present knowledge and experiences. They free the user because of the fullness of possible influences by the application of our products, however, not from own tests 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.