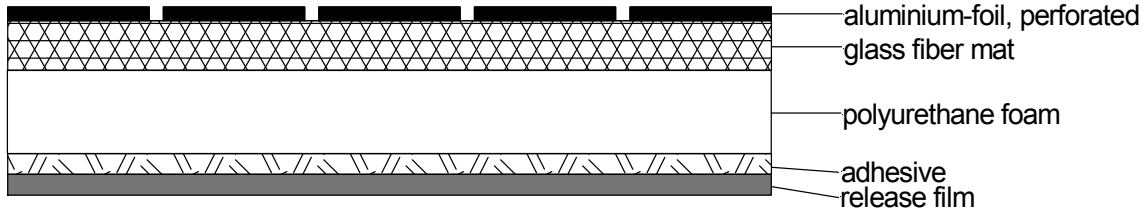


## Technical Data Sheet

## M 1765



M 1765 is a glass fiber mat lined with a perforated aluminum foil (thickness approx. 0.09 mm, hole diameter approx. 1.5 mm, hole portion approx. 7%) and a polyurethane-foam (polyether). Self adhesive equipment with a high-quality adhesive system based on acrylate.

| Technical Data                            |                      |   |             |
|---|----------------------|---|-------------|
| Type                                      |                      | M 1765/3-15   | M 1765/3-20 |
| Thickness (approximate)                   | [mm]                 | 18.0  | 23.0        |
| Thickness Glass fiber mat (approximate)   | [mm]                 | 3.0   | 3.0         |
| Weight (approximate)                      | [kg/m <sup>2</sup> ] | 1.8   | 2.15        |
| Thermal Stability Long Term               | [°C]                 | 100<br>Radiation Heat on Aluminium: max. 250  |             |
| Cold Resilience                           | [°C]                 | - 40 (bonded)   |             |
| Heat Transfer Resistance                  | [m <sup>2</sup> K/W] | 0.6   |             |
| Burning Behavior DIN 75 200/<br>FMVSS 302 | [mm/min]             | combustion value < 100  |             |
| Burning Behavior DIN 5510-2               |                      | flammability class S 4<br>smoke emission class SR 2<br>dripping behavior class ST 2<br>FED ≤ 1 fulfilled (toxicity) |             |

| Technical Data                            |                      |   |             |
|---|----------------------|---|-------------|
| Type                                      |                      | M 1765/3-30   | M 1765/7-15 |
| Thickness (approximate)                   | [mm]                 | ca. 33,0  | ca. 22,0    |
| Thickness Glass fiber mat (approximate)   | [mm]                 | 3.0   | 7.0         |
| Weight (approximate)                      | [kg/m <sup>2</sup> ] | 2.5   | 2.5         |
| Thermal Stability Long Term               | [°C]                 | 100<br>Radiation Heat on Aluminium: max. 250  |             |
| Cold Resilience                           | [°C]                 | - 40 (bonded)   |             |
| Heat Transfer Resistance                  | [m <sup>2</sup> K/W] | 0.9   | 0.7         |
| Burning Behavior DIN 75 200/<br>FMVSS 302 | [mm/min]             | combustion value < 100  |             |
| Burning Behavior DIN 5510-2               |                      | flammability class S 4<br>smoke emission class SR 2<br>dripping behavior class ST 2<br>FED ≤ 1 fulfilled (toxicity) |             |

**Main Function:** Air borne sound absorption (sound absorption) and heat isolation

## Technical Data Sheet

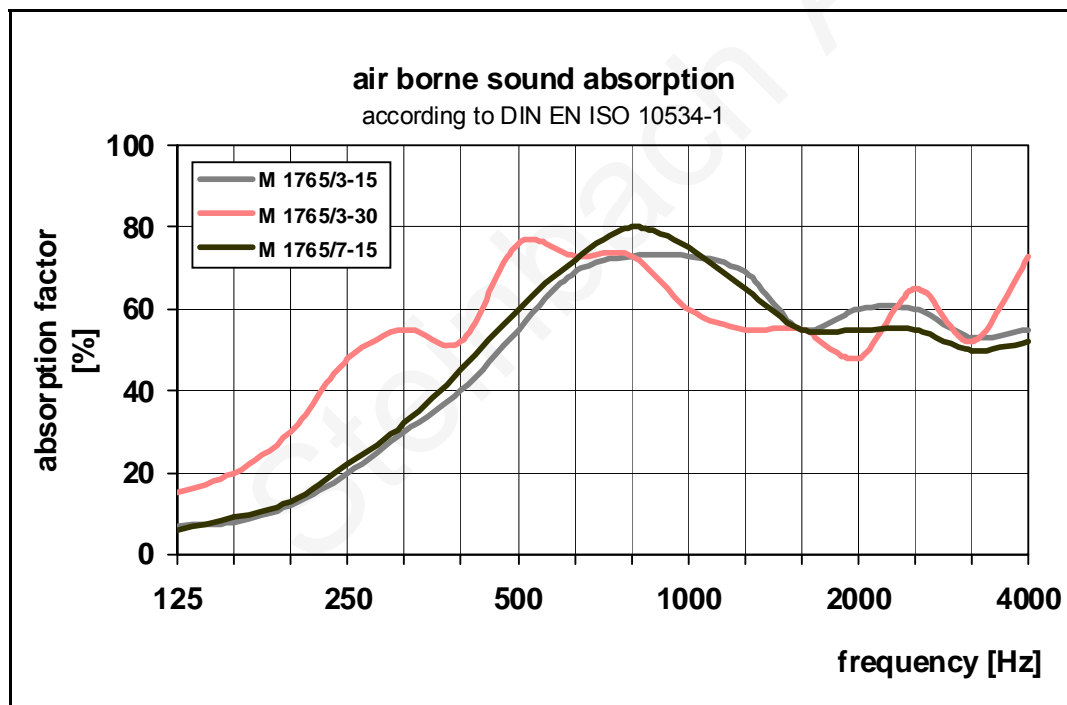
## M 1765

**Applications:** Mechanical engineering, vehicle construction, construction machinery, sound hoods, vehicle cabs, air conditioning, rail vehicle industries, noise damper 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 - 35 °C  
Max. storage time: 6 months

**Delivery Forms:** Standard boards 1000 x 1600 mm, other sizes and cut-to-size pieces upon request



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.