

ISOLATIE

# Geluidsisolatie



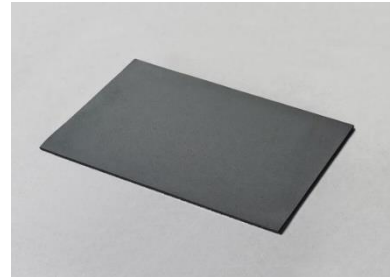
Reken op ons.

Auerhaan Lelystad is een bedrijf met een zeer lange historie; opgericht in 1885, is het bedrijf een bekende en betrouwbare toeleverancier van producten voor de carrosseriebouw, busbouw, machinebouw, scheepsbouw en jachtbouw. Vele vertegenwoordigingen van gerenommeerde fabrikanten in Europa en daarbuiten maken het productassortiment van Auerhaan tot een zeer breed programma. Het mag u dan ook duidelijk zijn dat de informatie die wij u geven via deze website nooit compleet kan zijn.



## M 1721/2

M 1721 is a heavy foil based of polyethylene vinyl acetate (EVA) polymers. Self-adhesive sheet with a high-quality glue based on acrylate.



### Main function

Structure-borne sound insulation (anti-damping) and airborne sound insulation

### Applications

Mechanical engineering, plant construction, sound insulation cabins, vehicle cabs 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

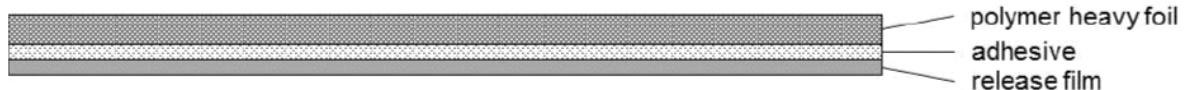
Dry at temperatures between 18 - 25 °C

Stackability: 50 parts (M 1721/2) till 50 °C

Max storage time: 6 months

### Delivery forms

Standard sheets 1,000 x 1,600 mm,  
other sizes and cut-to-size pieces upon request.



## Technical Information

### 1 Material

- |     |             |                                                      |
|-----|-------------|------------------------------------------------------|
| 1.1 | Composition | PVAC-Plastic foil<br>Adhesive<br>Release film        |
| 1.2 | Application | Damping of structure-borne sound and sound reduction |

### 2 Specific values

- |     |             |                           |
|-----|-------------|---------------------------|
| 2.1 | Area weight | 3900± 390g/m <sup>2</sup> |
| 2.2 | Thickness   | approx.. 2 mm             |

### 3 Properties

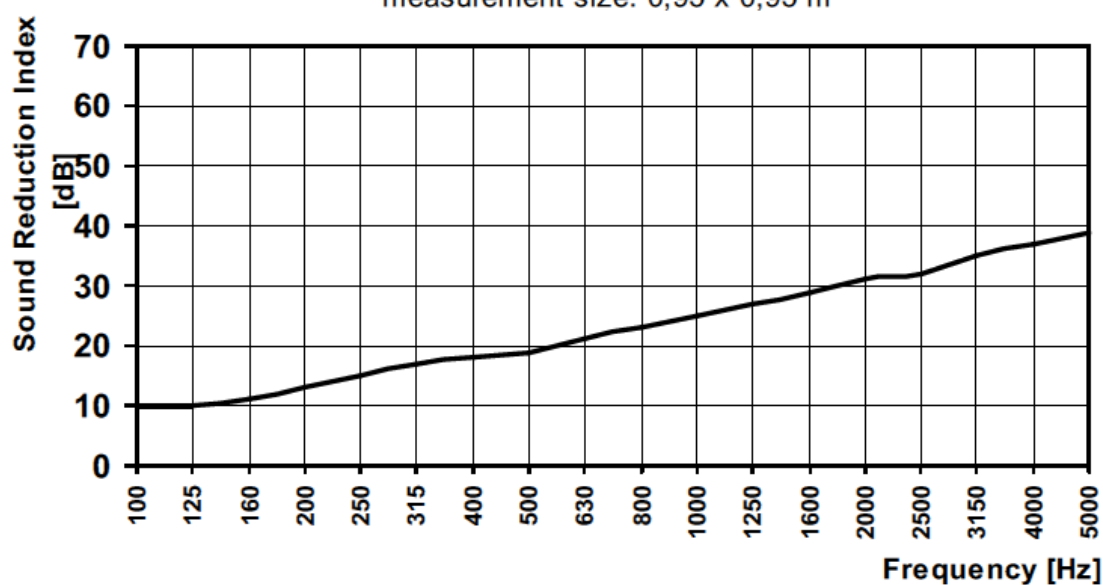
- |     |                    |                        |           |
|-----|--------------------|------------------------|-----------|
| 3.1 | Resistance to cold | till -25°C no chipping | PM03      |
| 3.2 | Heat resistance    | storage 24h at 100°C   | no damage |
| 3.3 | Shore hardness A   | 90± 5                  | DIN53505  |
| 3.4 | Peel strength      | > 0,5 N/mm             | PM09/3    |
| 3.5 | Flammability       | <100mm/min             | FMVSS302  |

### 4 Generally

- |               |                                                                                                                                          |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Delivery size | Punched parts, sheets                                                                                                                    |
| Processing    | Adhere on dry and dust-free contact surface at 18-25°C<br>In case of overhead application, an additional mechanical fixing is necessary. |
| Storage       | Shelf life: 6 month at room temperature and dry storage<br>Stack ability: 50 parts till 50°C                                             |

### Sound Reduction acc. to DIN EN ISO 140

measurement size: 0,95 x 0,95 m



— M 1721/2,0

## M 1754/17

M 1754 is a glass fibre mat, one side lined with a perforated aluminium foil (thickness approx. 0.09 mm, hole diameter 1.5 mm, hole content approximately 7%), laminated on a heavy foil based on bitumen and a glass fibre mat. Self-adhesive sheet with a high-quality glue based on acrylate.



### Main Function

Airborne sound absorption (sound absorption) and airborne sound damping

### Applications

Mechanical engineering, plant constructions, sound insulation cabins, engine compartment, exhaust pipes, 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

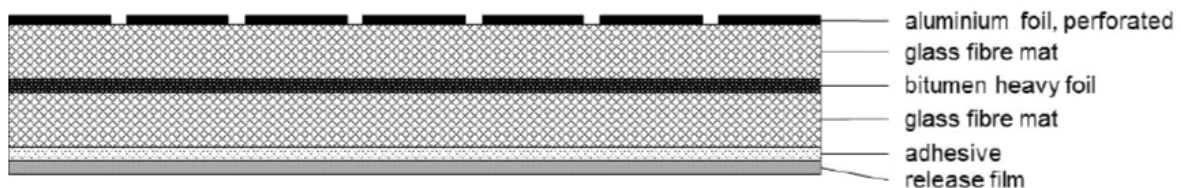
### Storage conditions

Dry at temperatures between 18 - 25 °C

Max storage time: 6 months

### Delivery Forms

Standard sheets 1,000 x 1,600 mm,  
other sizes and cut-to-size pieces upon request.



## Technical Information

### 1 Material

1.1	Composition	Aluminium foil, perforated Fibre glass Bitumen sheeting Fibre glass Adhesive Release film
1.2	Application	Airborne Sound Absorption and heat insulation

### 2 Specific values

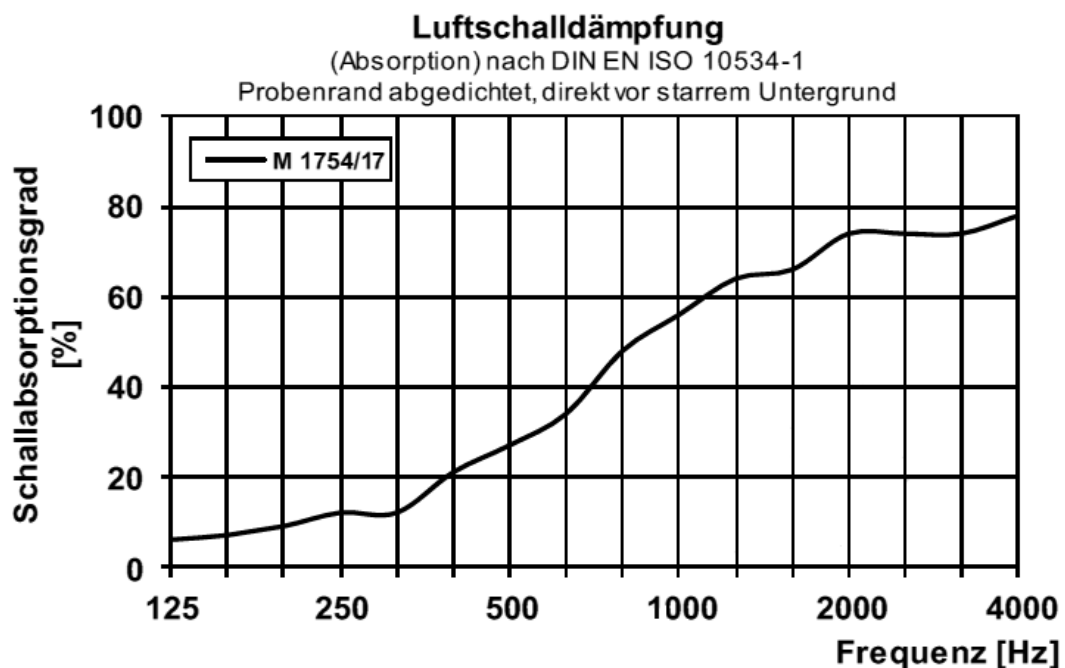
2.1	Area weight	12000± 1200g/m <sup>2</sup>
2.2	Thickness	approx.. 18 mm

### 3 Properties

3.1	Resistance to cold	till -40°C no chipping	PM03
3.2	Heat resistance	storage 24h at 100°C	no damage
3.3	Heat radiation	till 250°C	on Aluminium foil
3.4	Peel strength	> 0,3 N/mm	PM09/3
3.5	Flammability	<100mm/min	FMVSS302

### 4 Generally

Delivery size	Punched parts, sheets
Processing	Adhere on dry and dust-free contact surface at 18-25°C In case of overhead application, an additional mechanical fixing is necessary.
Storage	Shelf life: 6 month at room temperature and dry storage Stack ability: 50 parts till 50°C





## M 1761/7

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 sheet with a high-quality glue based on acrylate.



### 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

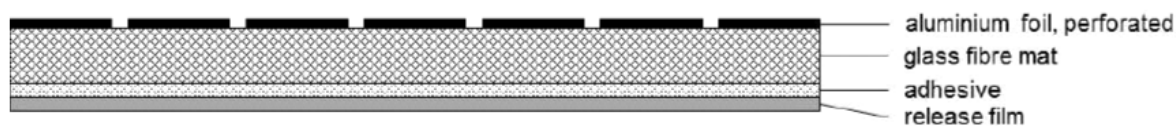
Dry at temperatures between 18 - 25 °C

Stack ability: 200 parts (M 1761/3) till 50 °C

Max storage time: 6 months

### Delivery forms

Standard sheets 1,000 x 1,600 mm,  
other sizes and cut-to-size pieces upon request.



## Technical Information

### 1 Material

- |     |             |                                                                       |
|-----|-------------|-----------------------------------------------------------------------|
| 1.1 | Composition | Aluminium foil, perforared<br>Fibre glass<br>Adhesive<br>Release film |
| 1.2 | Application | Sound Absorption and heat insulation                                  |

### 2 Specific values

- |     |             |                           |
|-----|-------------|---------------------------|
| 2.1 | Area weight | 2000± 250g/m <sup>2</sup> |
| 2.2 | Thickness   | approx.. 7 mm             |

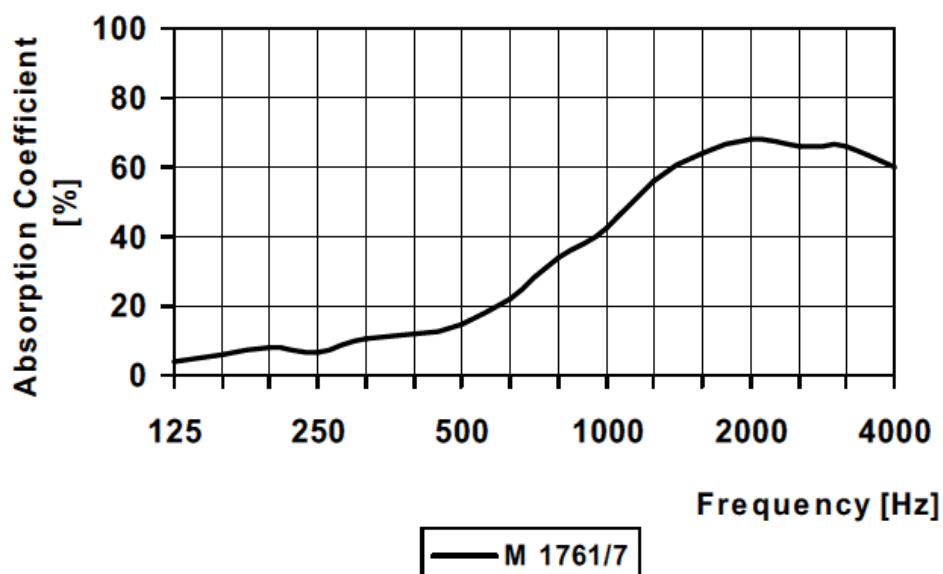
### 3 Properties

- |     |                    |                        |                   |
|-----|--------------------|------------------------|-------------------|
| 3.1 | Resistance to cold | till -40°C no chipping | PM03              |
| 3.2 | Heat resistance    | storage 2h at 180°C    | no damage         |
| 3.3 | Heat radiation     | till 250°C             | on Aluminium foil |
| 3.4 | Peel strength      | > 0,5 N/mm             | PM09/3            |
| 3.5 | Flammability       | <100mm/min             | FMVSS302          |

### 4 Generally

- |               |                                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Delivery size | Punched parts, sheets                                                                                                                          |
| Processing    | Adhere on dry and dust-free contact surface<br>at 18-25°C<br>In case of overhead application, an additional<br>mechanical fixing is necessary. |
| Storage       | Shelf life: 6 month at room temperature and dry<br>storage<br>Stack ability: 200 parts till 50°C                                               |

## Sound Absorption acc. to EN ISO 10534-1 sample edge sealed, hardwalled background





## M 1761/12

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 sheet with a high-quality glue based on acrylate.



### 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

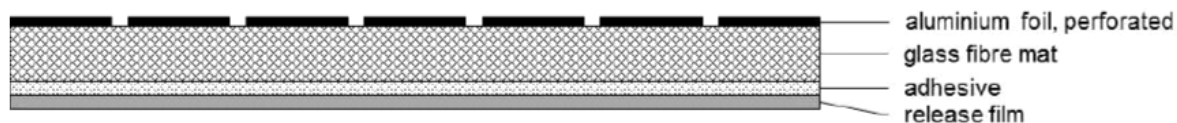
Dry at temperatures between 18 - 25 °C

Stack ability: 50 parts (M 1761/12) till 50 °C

Max storage time: 6 months

### Delivery forms

Standard sheets 1,000 x 1,600 mm,  
other sizes and cut-to-size pieces upon request.



## Technical Information

### 1 Material

- |     |             |                                                                       |
|-----|-------------|-----------------------------------------------------------------------|
| 1.1 | Composition | Aluminium foil, perforated<br>Fibre glass<br>Adhesive<br>Release film |
| 1.2 | Application | Sound Absorption and heat insulation                                  |

### 2 Specific values

- |     |             |                           |
|-----|-------------|---------------------------|
| 2.1 | Area weight | 3300± 400g/m <sup>2</sup> |
| 2.2 | Thickness   | approx.. 12 mm            |

### 3 Properties

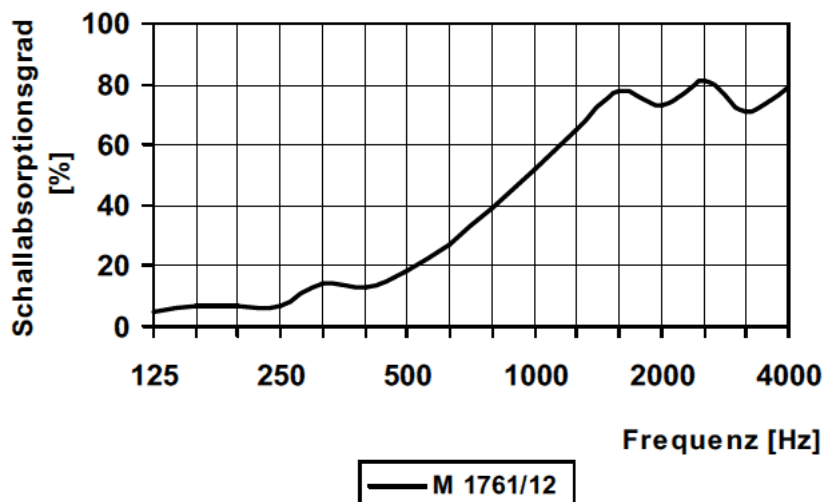
- |     |                    |                        |           |
|-----|--------------------|------------------------|-----------|
| 3.1 | Resistance to cold | till -40°C no chipping | PM03      |
| 3.2 | Heat resistance    | storage 24h at 100°C   | no damage |
| 3.3 | Heat radiation     | till 250°C             | PM 23/1   |
| 3.4 | Peel strength      | > 0,5 N/mm             | PM09/3    |
| 3.5 | Flammability       | <100mm/min             | FMVSS302  |

### 4 Generally

- |                |                                                                                                                                          |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Delivery size  | Punched parts, sheets                                                                                                                    |
| Processing     | Adhere on dry and dust-free contact surface at 18-25°C<br>In case of overhead application, an additional mechanical fixing is necessary. |
| Storage        | Shelf life: 6 month at room temperature and dry storage                                                                                  |
| Stack ability: | 50 parts till 50°C                                                                                                                       |

### Luftschalldämpfung (Absorption) nach EN ISO 10534-1

Probenrand abgedichtet, direkt vor starrem Untergrund



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Reken op ons.

