

ISOLATIE

Thermische isolatie



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 949/7

M 949 (self-adhesive) is a glass fibre mat, laminated with a stamped aluminium foil (thickness approx. 0.1 mm). Self-adhesive sheet with a high-quality glue based on acrylate..



Main function

Sound Absorption and Heat insulation

Applications

In the engine compartment, exhaust area, catalytic converters etc. especially in occurrence of radiation heat

Processing

Self-adhesive: 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

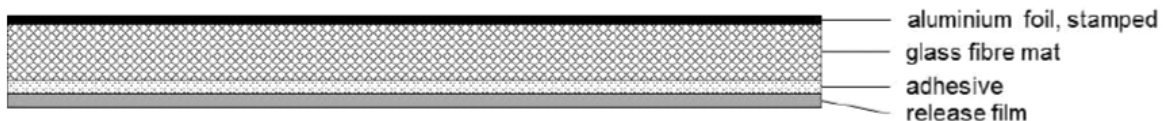
Dry at temperatures between 18 - 25 °C

Stack ability: 100 parts 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 with stamping
Fibre glass
Adhesive
Release film
- 1.2 Application Sound Absorption and heat insulation

2 Specific values

- 2.1 Area weight 2000± 250g/m²
- 2.2 Thickness approx.. 7 mm

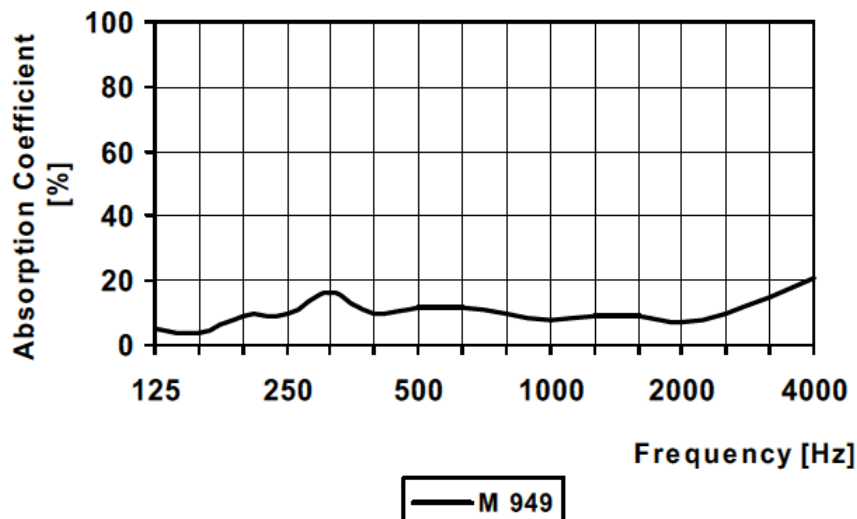
3 Properties

- 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 Thermal Conductivity 0,035 W/mK ISO 8301 at 20°C
- 3.5 Peel strength > 0,5 N/mm PM09/3
- 3.6 Flammability Classification: SE FMVSS302
(Sample bonded)

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: 100 parts till 50°C

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



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

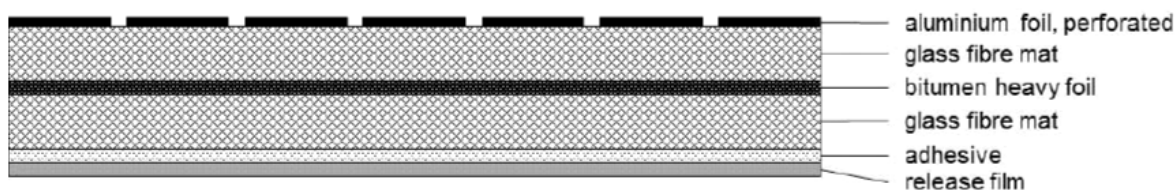
Storage conditions

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

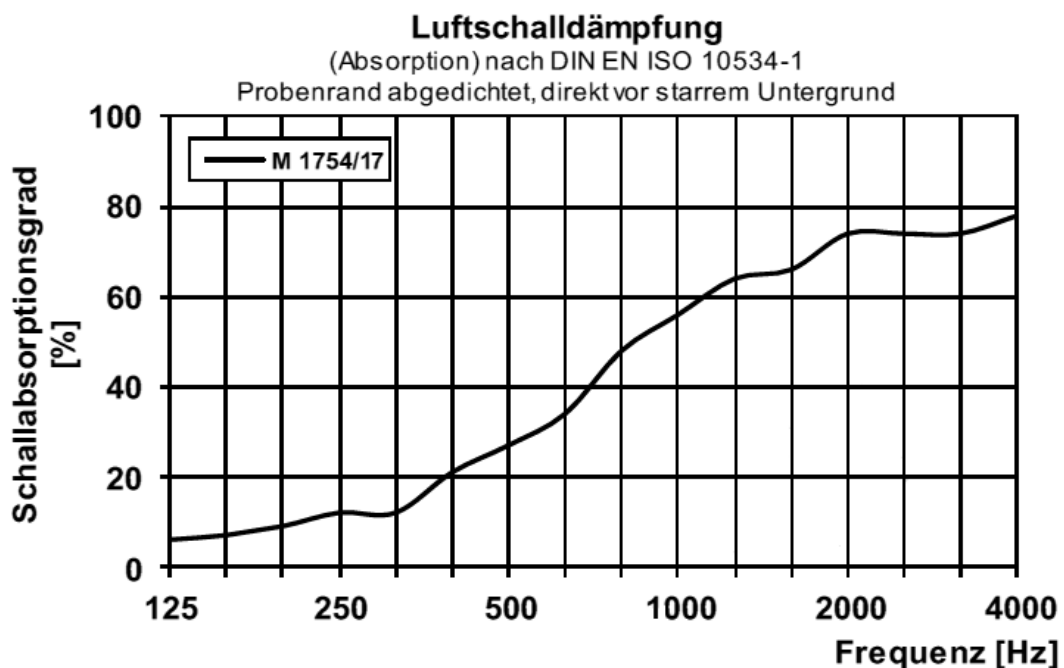
2.1	Area weight	12000± 1200g/m ²
2.2	Thickness	approx.. 18 mm

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

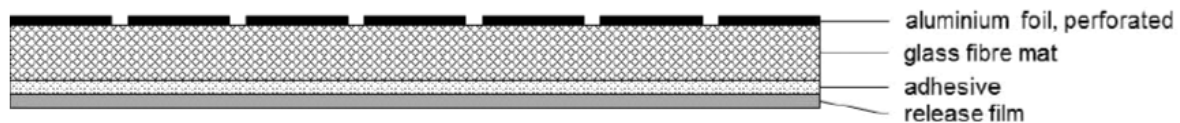
Dry at temperatures between 18 - 25 °C

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
Fibre glass
Adhesive
Release film
- 1.2 Application Sound Absorption and heat insulation

2 Specific values

- 2.1 Area weight 2000± 250g/m²
- 2.2 Thickness approx.. 7 mm

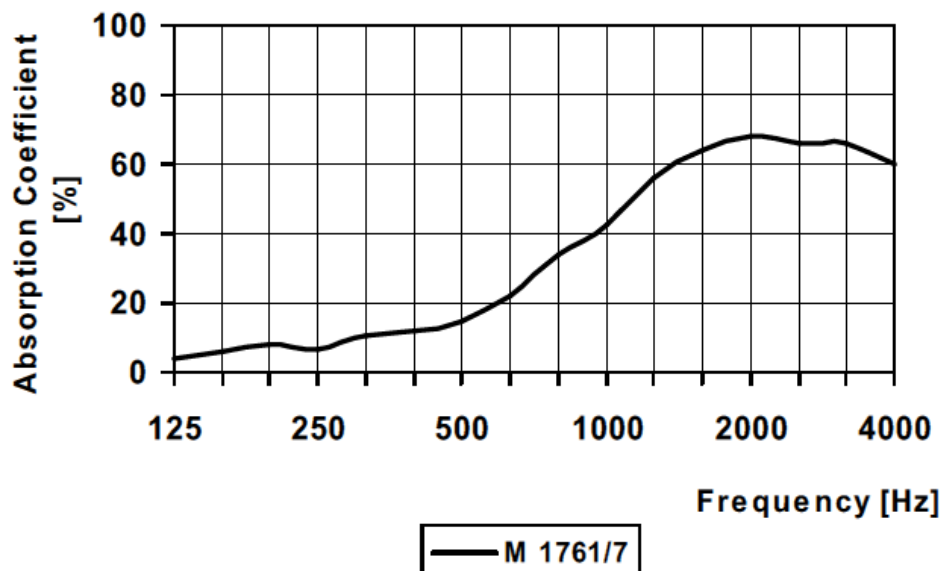
3 Properties

- 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 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: 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

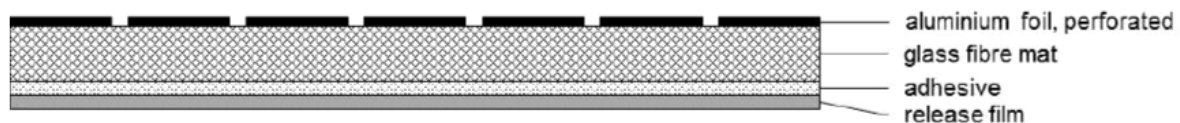
Dry at temperatures between 18 - 25 °C

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
Fibre glass
Adhesive
Release film
- 1.2 Application Sound Absorption and heat insulation

2 Specific values

- 2.1 Area weight 3300± 400g/m²
- 2.2 Thickness approx.. 12 mm

3 Properties

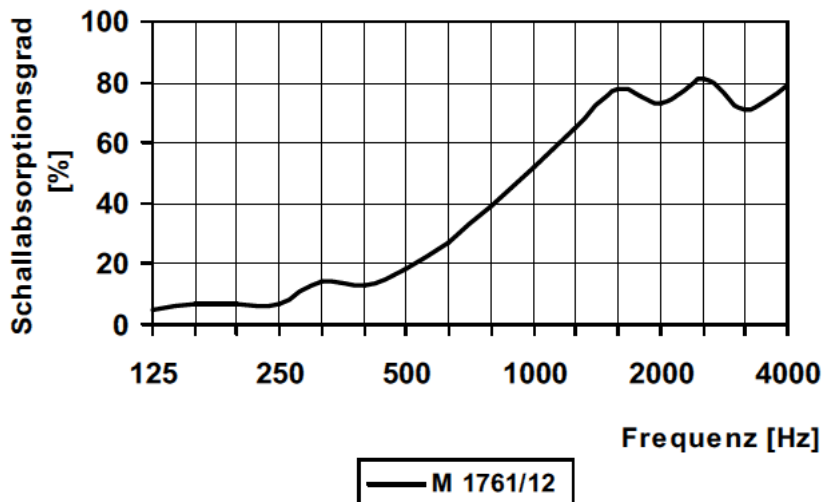
- 3.1 Resistance to cold till -40°C no chipping PM03
- 3.2 Heat resistance storage 24h at 100°C no damage
- 3.3 Heat radiation till 250°C PM 23/1
- 3.4 Peel strength > 0,5 N/mm PM09/3
- 3.5 Flammability <100mm/min FMVSS302

4 Generally

- Delivery size Punched parts, sheets
- Processing Adhere on dry and dust-free contact surface
at 18-25°C
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.

