

ISOLATIE

Geluidsabsorptie



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

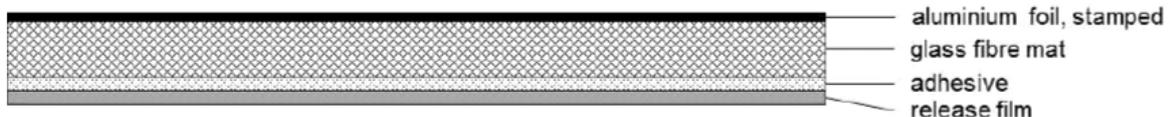
Dry at temperatures between 18 - 25 °C

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

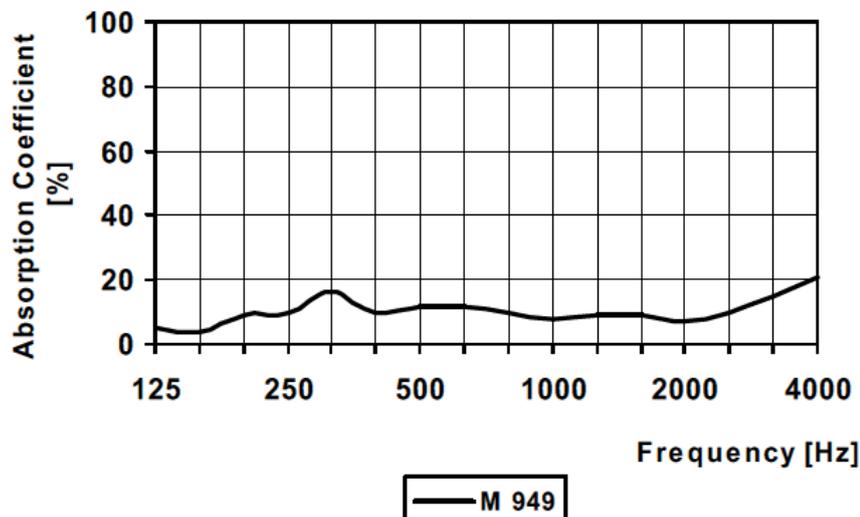
3 Properties

- 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 1135/30

M 1135/30 is a polyurethane-burl foam (polyether). Self-adhesive sheet with a high-quality glue based on acrylate

Main function

Airborne sound absorption (sound absorption)

Applications

Mechanical engineering, plant construction, sound insulating of cabins, vehicle cabs, sound absorbers 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

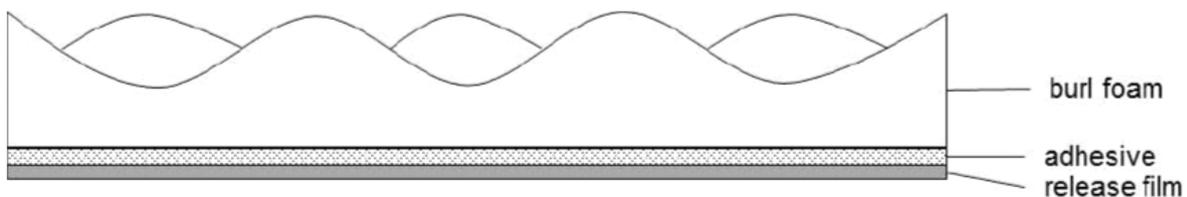
Storage conditions

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 Polyetherfoam, structures surface
Adhesive
Release film
- 1.2 Application Air borne sound absorption

2 Specific values

- 2.1 Area weight 770± 70g/m²
- 2.2 Thickness ca. 30 mm

3 Properties

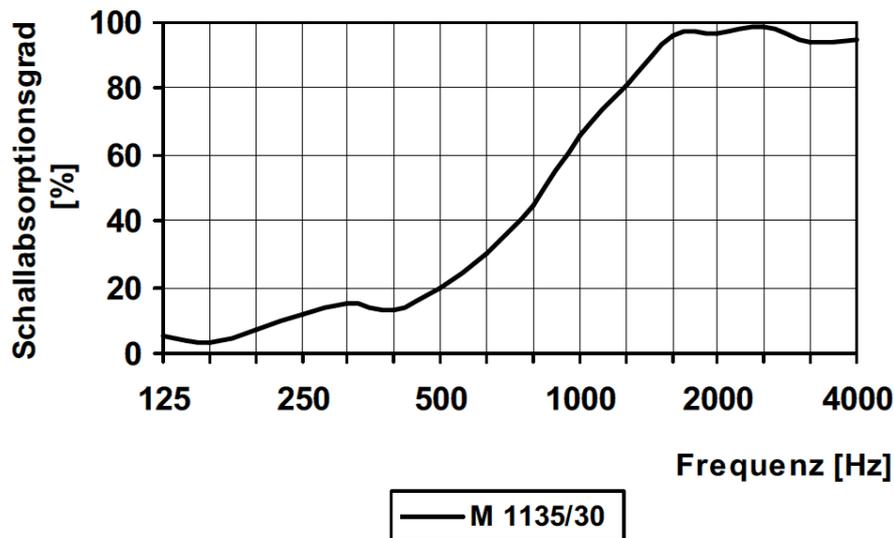
- 3.1 Resistance to cold till -40°C no chipping PM03 Ball fall test
- 3.2 Heat resistance 24h at 100°C no damage
- 3.3 Peel strength > 0,3 N/mm PM09/3
- 3.4 Flammability <100 mm/min FMVSS302

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

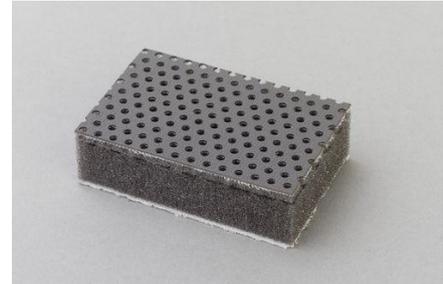
Airborn sound absorption EN ISO 10534-1

Probenrand abgedichtet, direkt vor starrem Untergrund



M 1165/25

M 1165 is a polyurethane-foam (polyether), covered with a perforated composite of a grey polyurethane-foam (polyester, thickness approx. 4 mm) and an PVC-artificial leather as a protective and decorative surface. Self-adhesive sheet with a high-quality glue based on acrylate



Main function

Airborne sound absorption (absorption)

Applications

Sound insulating of cabins, vehicle cabs, vehicle roofs 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

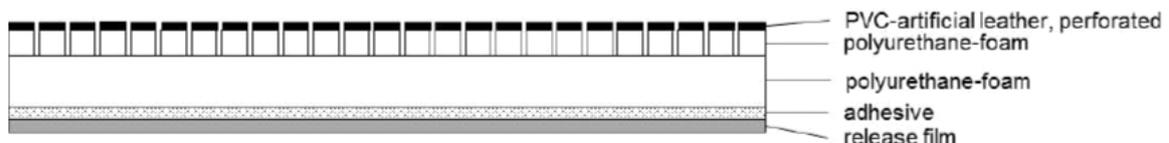
Storage conditions

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 PVC-coating. perforated
Polyether foam
Adhesive
Release film
- 1.2 Application Air borne sound absorption

2 Specific values

- 2.1 Area weight 1540± 140g/m²
- 2.2 Thickness ca. 25 mm

3 Properties

- 3.1 Resistance to cold till -35°C no chipping PM03 Ball fall test
- 3.2 Heat resistance 24h at 80°C no damage
- 3.3 Peel strength > 0,3 N/mm PM09/3
- 3.4 Flammability <100 mm/min FMVSS302

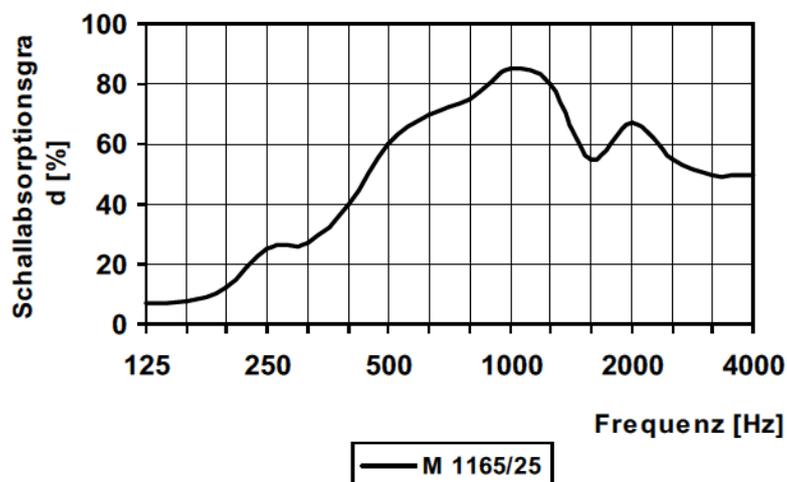
4 Generally

- 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

Airborn sound absorption

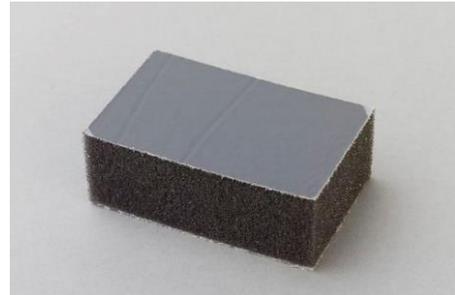
accor. EN ISO 10534-1

sample edge sealed, hardwall background



M 1421/20

M 1421 is a polyurethane-foam (polyether), with a grey polyurethane surface skin. Self-adhesive sheet with a high-quality glue based on acrylate.



Main function

Airborne sound absorption (absorption)

Application

Sound insulating of cabins, vehicle cabs, mechanical engineering 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.

The release film must be removed after the assembly!

Processing temperature: 18 - 25 °C

Specials

The surface is resistant against penetration and quelling by oil, gasoline, gasoil, water

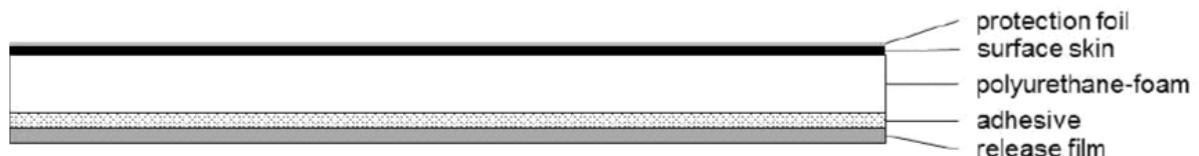
Storage conditions

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 Polyether foam with PU-skin
Adhesive
Release film
- 1.2 Application Airborne sound absorption

2 Specific values

- 2.1 Area weight 730± 70g/m²
- 2.2 Thickness ca. 20 mm

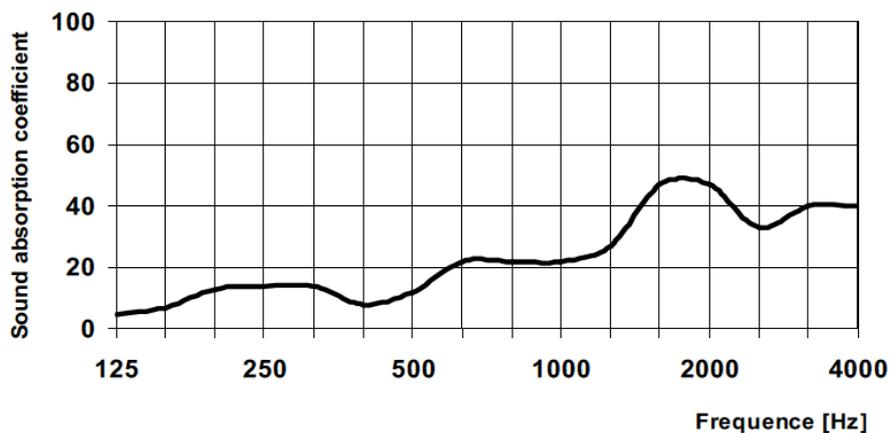
3 Properties

- 3.1 Resistance to cold till -35°C no chipping PM03 Ball fall test
- 3.2 Heat resistance 24h at 100°C no damage
- 3.3 Peel strength > 0,3 N/mm PM09/3
- 3.4 Flammability <100 mm/min FMVSS302
- 3.5 Resistance to penetration of automobile working materials
- | | |
|-------------|----------------|
| Water | no penetration |
| Petrol | no penetration |
| Mineral oil | no penetration |

4 Generally

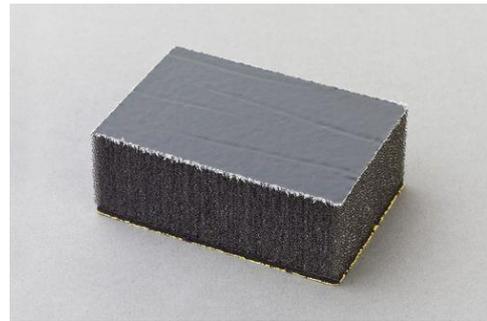
- Delivery size Punched parts, sheets
- Processing Adhere on dry and dust-free contact surface at 18-25°C
In case of overhead application, an additional mechanical fixing is necessary.
- Storage Shelf life: 6 month at room temperature and dry storage
Stack ability: 50 parts till 50°C

Air borne Sound Absorption acc. to EN ISO 10534-1
sample edge sealed , rigid surface



M 1422/22

M 1422/22 is a polyurethane-foam (polyether), with a grey polyurethane surface skin, laminated on a heavy foil based on bitumen. Self-adhesive sheet with a high-quality glue based on acrylate.



Main function

Airborne sound absorption (absorption), airborne sound insulation and damping of structure-born sound

Applications

Sound insulating of cabins, vehicle cabs, mechanical engineering 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.

The protection foil must be removed after the assembly!

Processing temperature: 18 - 25 °C

Specials

The surface is resistant against penetration and dissolving by oil, gasoline, diesel and water

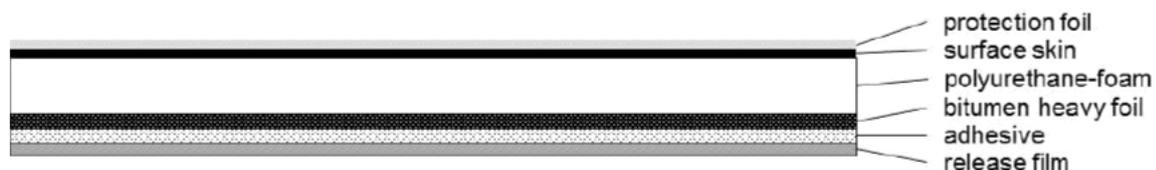
Storage conditions

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 Polyether foam with PU-skin
Adhesive
Bitumen sheeting
Release film
- 1.2 Application Damping of structure-borne sound, Air borne sound
Absorption and sound reduction

2 Specific values

- 2.1 Area weight 4750± 470g/m²
- 2.2 Thickness ca. 22 mm

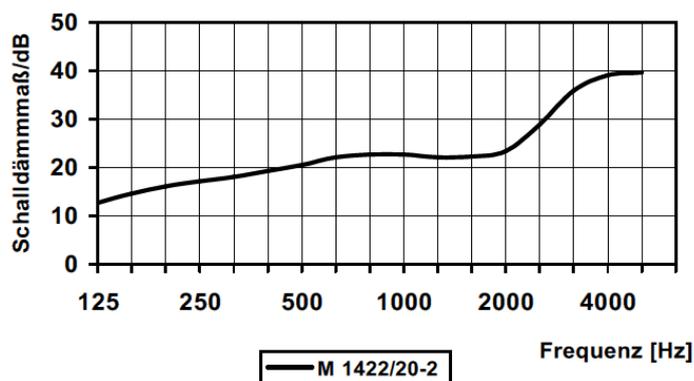
3 Properties

- 3.1 Resistance to cold till -35°C no chipping PM03 Ball fall test
- 3.2 Heat resistance 24h at 100°C no damage
- 3.3 Peel strength > 0,3 N/mm PM09/3
- 3.4 Flammability <100 mm/min FMVSS302
- 3.5 Resistance to penetration of automobile working materials
Water no penetration
Petrol no penetration
Mineral oil no penetration
- 3.6 Loss factor > 0,1 at 20°C EN ISO 6721-3 at 200HZ

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

Sound reduction acc.to DIN EN ISO 140
Measurement size 1,0 x 1,0 m



M 1516/20

M 1516 is a polyurethane-foam (polyether).
Self-adhesive sheet with a high-quality glue based on acrylate .



Main function

Airborne sound absorption (absorption)

Applications

Sound insulating of cabins, vehicle cabs, mechanical engineering 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

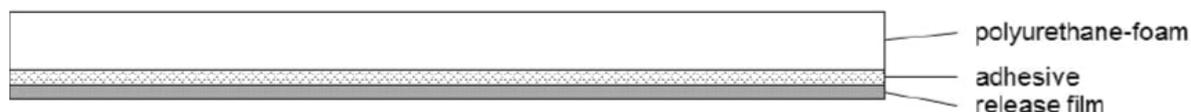
Storage conditions

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	Polyetherfoam Adhesive Release film
1.2	Application	Airborne sound absorption and Heat insulation

2 Specific values

2.1	Area weight	690± 70g/m ²
2.2	Thickness	ca. 20 mm

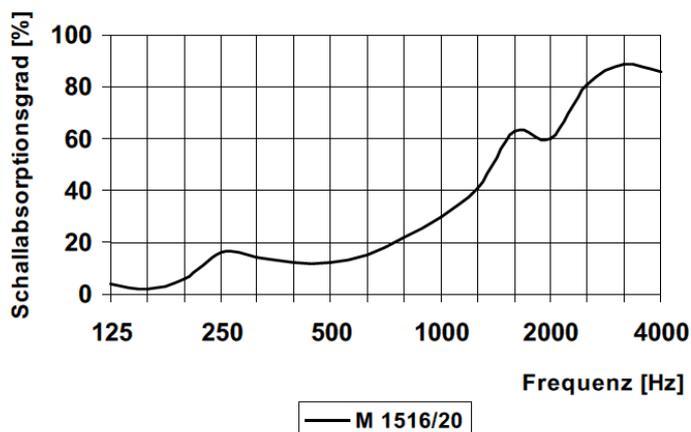
3 Properties

3.1	Resistance to cold	till -40°C no chipping	PM03 Ball fall test
3.2	Heat resistance	24h at 100°C	no damage
3.3	Peel strength	> 0,3 N/mm	PM09/3
3.4	Flammability	<100 mm/min	FMVSS302
3.5	Thermal Conductivity	0,038 W/mK	ISO 8301 at RT

4 Generally

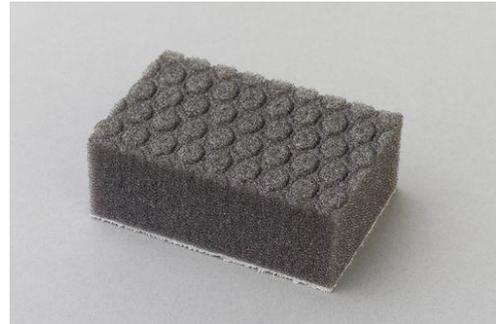
Delivery size	Punched parts, sheets
Processing	Adhere on dry and dust-free contact surface at 18-25°C In case of overhead application, an additional mechanical fixing is necessary.
Storage	Shelf life: 6 month at room temperature and dry storage Stack ability: 100 parts till 50°C

Luftschalldämpfung (Absorption) nach EN ISO 10534-1
Probenrand abgedichtet, direkt vor starrem Untergrund



M 2023/40

M 2023 is a polyurethane-foam (polyester), the surface is compacted and stamped with a lozenge imprinting. Self-adhesive sheet with a high-quality glue based on acrylate.



Main function

Airborne sound absorption (absorption)

Applications

Sound insulating of cabins, vehicle cabs, mechanical engineering 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.

With the installation about head an additional mechanical attachment is necessary.

Processing temperature: 18 - 25 °C

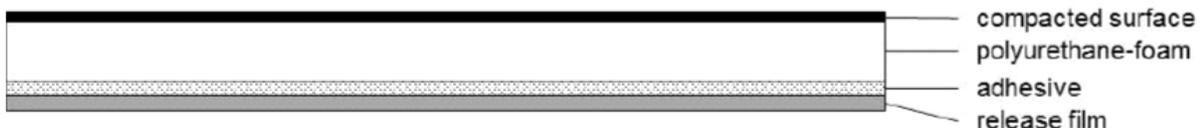
Storage conditions

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 M2023/40

1 Material

1.1	Composition	Polyether foam. Stamped surface Adhesive Release film
1.2	Application	Air borne sound absorption

2 Specific values

2.1	Area weight	1070± 110g/m ²
2.2	Thickness	ca. 40 mm

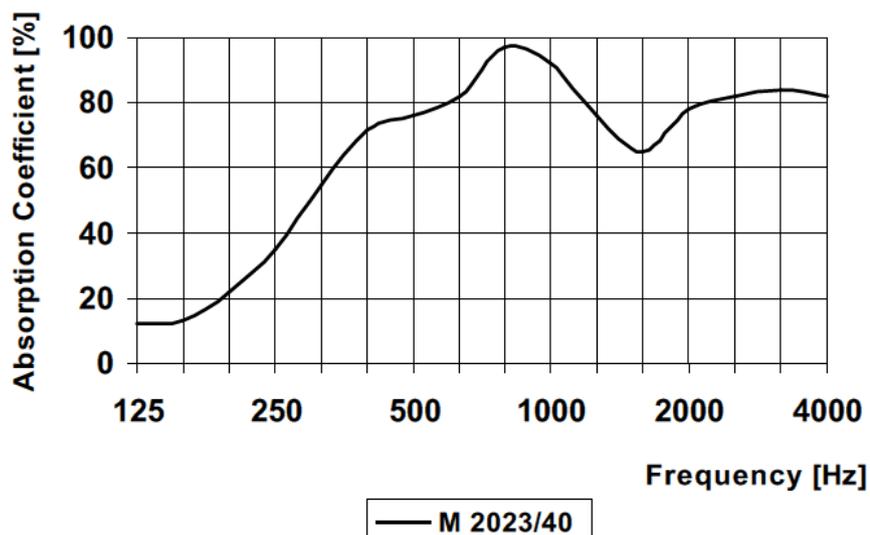
3 Properties

3.1	Resistance to cold	till -40°C no chipping	PM03 Ball fall test
3.2	Heat resistance	24h at 100°C	no damage
3.3	Peel strength	> 0,3 N/mm	PM09/3
3.4	Flammability	<100 mm/min	FMVSS302
3.5	Thermal Conductivity	0,04 W/mK	ISO 8301 at 20°C

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

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



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