IZOVEX
INDUSTRIAL INSULATION

ACOUSTIC & THERMAL INSULATION SOLUTIONS

Engineered for performance. Built for industry.

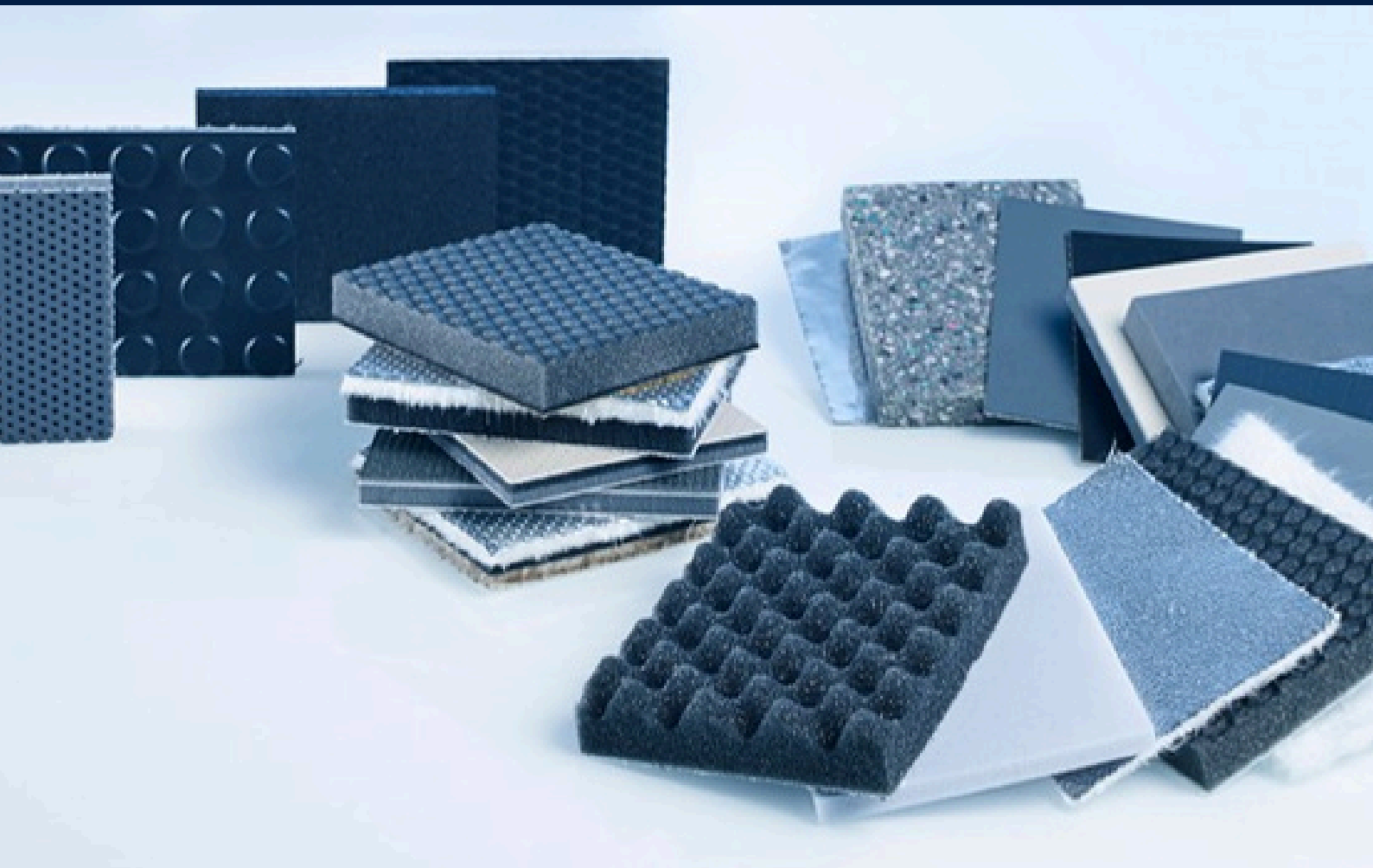


TABLE OF CONTENTS

TABLE OF CONTENTS:

1. HEAVY FOILS 2
2. TECHNICAL FOAMS 3
3. MATERIALS WITH DECORATIVE FINISH 4
4. GLASS FIBRE AND SILICA MATERIALS 5
5. COMPLEX SANDWITCH SOLUTIONS 6
6. INSULATION FOR MILITARY VEHICLES 7
7. INTRUDUCTION 8
8. VEHICLE AREAS 9
9. MATERIALS FOR ENGINE COMPARTMENT 10
10. MATERIALS FOR DRIVER & CREW CABINS 11
11. MATERIALS FOR UNDERBODY & CHASSIS AREA 12
12. COOPERATION AND CONTACT 13

IMAGE DISCLAIMER

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All product photographs presented in this catalogue are authentic and represent the actual products offered by IZOVEX. Product images are provided to accurately illustrate the materials and solutions available.

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HEAVY
FOILS



SUMMARY

IZOVEX heavy-duty insulation foils provide effective acoustic insulation and vibration damping for demanding industrial and special-purpose vehicle applications. Their high surface mass helps reduce noise transmission and unwanted structural vibrations, contributing to improved acoustic comfort and overall vehicle performance.

They can be used in cabins and crew compartments, engine and equipment compartments, vehicle bodywork, technical enclosures and other areas where effective noise and vibration control is required.

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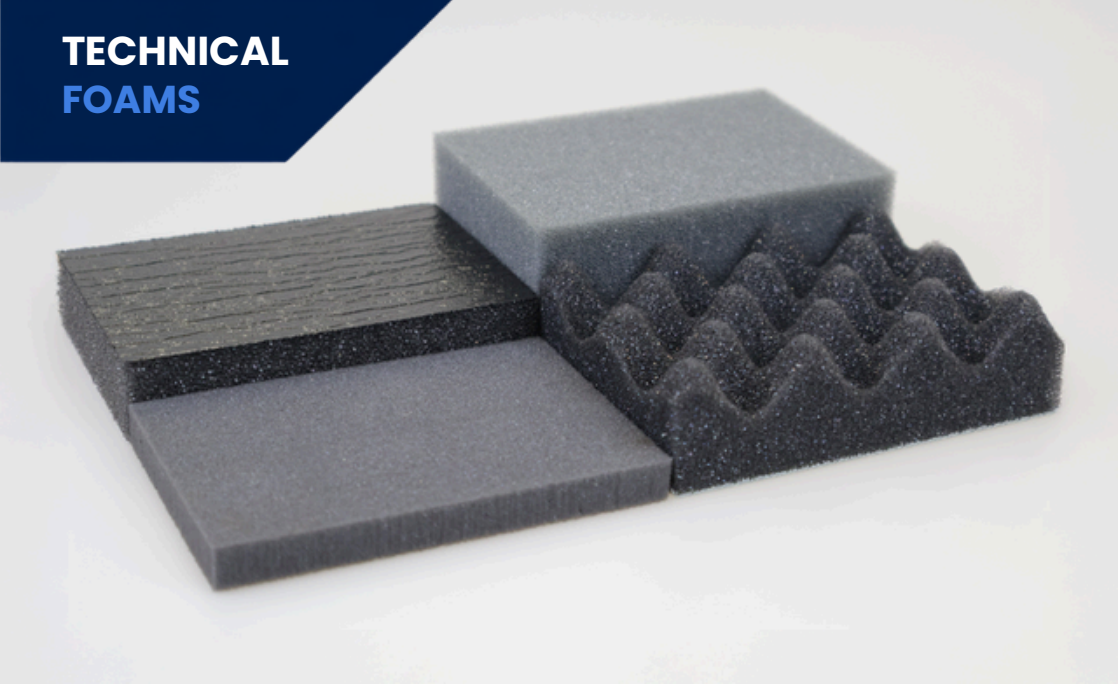
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TECHNICAL FOAMS



SUMMARY

Insulation foams offered by IZOVEX are advanced solutions designed for the most demanding industrial, technical and automotive applications. Our range includes high-quality foam materials that offer excellent insulation properties, effective vibration and noise damping, as well as high resistance to temperature, moisture and chemical agents.

The products are suitable for applications where durability, reliability, and effective acoustic and thermal insulation are of key importance. The materials we offer meet the highest quality and technical requirements, ensuring reliable performance and long-term service life.

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DECORATIVE FINISH



SUMMARY

Insulation with a decorative finish offered by IZOVEX combines modern design, high durability and functionality. We offer a wide range of materials with various structures, textures and colours, allowing the creation of aesthetically appealing and durable surfaces tailored to individual requirements. They can be used wherever both effective insulation and an attractive, durable surface finish are required.

Thanks to their high resistance to abrasion, damage and intensive use, our materials maintain an excellent appearance and provide reliable performance for years.

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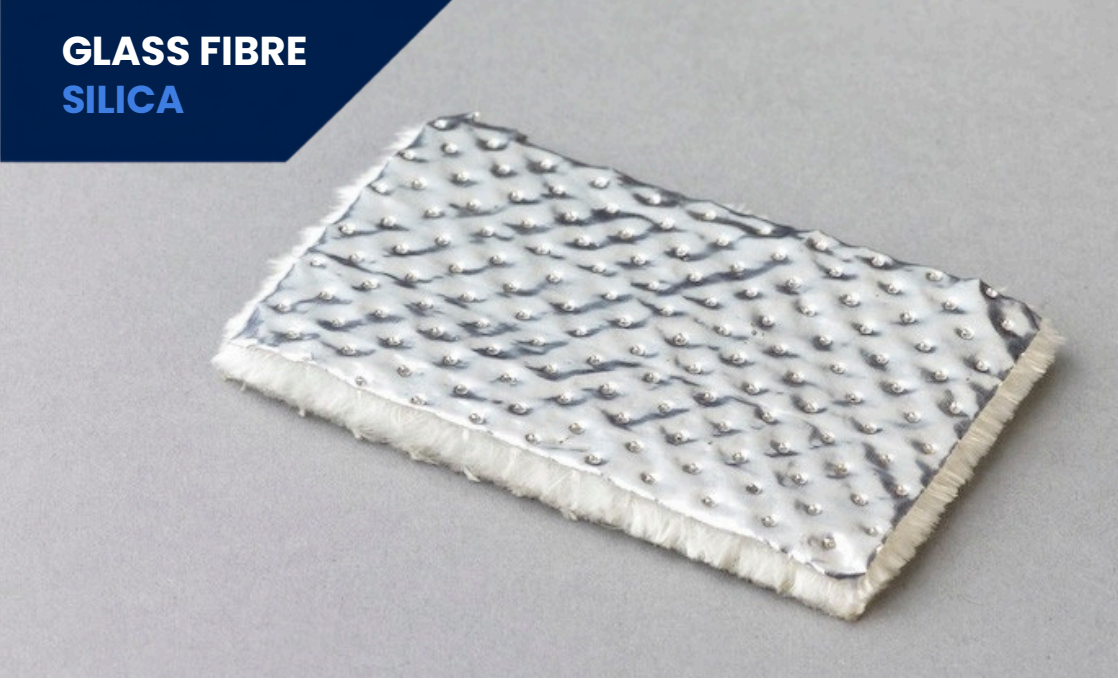
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GLASS FIBRE
SILICA



SUMMARY

Glass fibre and silica insulation offered by IZOVEX provides advanced solutions for the most demanding industrial, energy and technical applications. Our range includes high-quality insulation materials that offer excellent resistance to high temperatures, chemical exposure and mechanical damage.

IZOVEX products are suitable for applications where effective thermal insulation, fire protection and durability under extreme operating conditions are essential. They can be used for the insulation and protection of machinery, industrial equipment, technical installations, high-temperature components and systems operating in demanding thermal environments.

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SANDWITCH INSULATION



SUMMARY

Multilayer sandwich insulation combines technical foams, bitumen, glass fibre, aluminium foil and other materials into a single high-performance insulation system. Designed for demanding applications, including military and special-purpose vehicles, machinery and technical equipment, it provides thermal insulation, acoustic damping, vibration reduction and protection in one compact solution.

Layer composition and thickness can be tailored to specific application requirements.

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IZOVEX
INDUSTRIAL INSULATION



INSULATION FOR MILITARY VEHICLES

INTRODUCTION

IZOVEX provides advanced insulation materials and multilayer solutions for demanding military and special-purpose vehicle applications. Our materials are selected to address the key challenges of modern vehicle design, including thermal management, acoustic insulation, vibration damping and protection of components and occupants.

The range includes technical foams, heavy acoustic insulation, glass and silica fibre materials, aluminium foils, bituminous layers and other specialised insulation components. Materials can be used individually or combined into tailored multilayer sandwich structures to achieve the required performance within limited available space.

Solutions are suitable for applications such as engine compartments, vehicle interiors, equipment enclosures, body panels, technical compartments and areas exposed to elevated temperatures, noise and vibration. Each application will be presented in this catalogue.

IZOVEX supports the selection of materials and configuration according to the specific operating conditions, construction requirements and performance targets of the vehicle.

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VEHICLE AREAS



1 **Engine compartment**

2 **Driver cabin**

3 **Crew cabin**

4 **Underbody / Chassis area**

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ENGINE COMPARTMENT

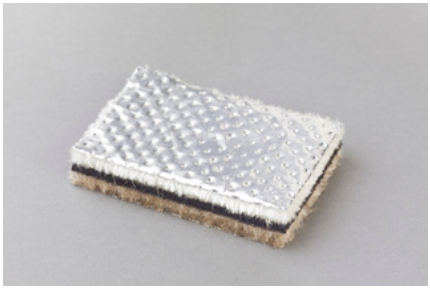
Materials used in engine compartments should provide high temperature resistance, resistance to oils and operating fluids, and effective noise and vibration reduction. They should also ensure long-term durability under demanding operating conditions and temperature fluctuations.

OUR SOLUTIONS



ENGINE, EXHAUST SYSTEM

M 1019 is a heavy bitumen-based insulation foil, laminated on both sides with fiberglass mat and covered on the top side with embossed aluminium foil. It features a self-adhesive layer with a high-quality acrylate-based adhesive system.



ENGINE, EXHAUST SYSTEM

M 1754 is a glass fibre mat (approx. 7 mm thick), coated on one side with perforated aluminium foil (approx. 0.09 mm thick, hole diameter approx. 1.5 mm, perforation rate approx. 7%), laminated with heavy bitumen foil and a glass fibre mat (approx. 7 mm thick). It is equipped with a self-adhesive layer using a high-quality acrylate-based adhesive system.

KEY FEATURES

- high temperature resistance
- acoustic insulation
- reduction of vibration damping
- thermal insulation

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ENGINE COMPARTMENT



ENGINE, EXHAUST SYSTEM

M 1724 is a glass fibre mat (approx. 3 mm thick), coated on one side with perforated aluminium foil (approx. 0.09 mm thick, hole diameter approx. 1.5 mm, perforation rate approx. 7%), laminated with polyester polyurethane foam and then with a composite consisting of two glass fibre mats (each approx. 7 mm thick) with heavy bitumen foil placed between them. It is equipped with a self-adhesive layer using a high-quality acrylate-based adhesive system.



ENGINE, EXHAUST SYSTEM

Isoglamat® 4/21 ALU is a combination of a quilted E-glass fibre mat (approx. 4 mm thick) and a mechanically reinforced E-glass needle-punched nonwoven (approx. 21 mm thick). Both glass fibre materials are joined by needling, without the use of binders. The product is laminated with aluminium foil (approx. 100 µm thick). It is equipped with a self-adhesive layer using a high-quality acrylate-based adhesive system.

KEY FEATURES

- high temperature resistance
- acoustic insulation
- reduction of vibration damping
- thermal insulation

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DRIVER & CREW CABIN

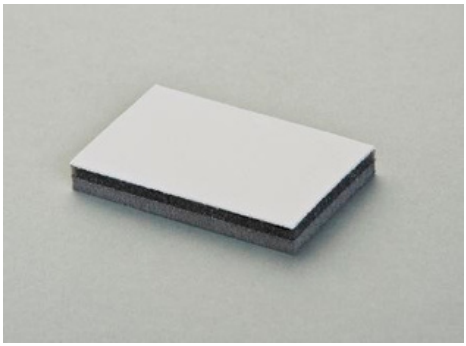
Materials used in the driver and crew cabins should provide effective thermal and acoustic insulation while helping to reduce vibration transmission. They should be lightweight, durable and resistant to the operating conditions of the vehicle, including temperature changes, moisture and mechanical loads.

OUR SOLUTIONS



WALLS PANNELS, ROOF

S 3016/...-L/... (self-adhesive version) is a closed-cell polyolefin (PO) foam in a flexible, easily bendable form, surface-laminated with synthetic PVC leather (in leather colours in accordance with the RAL colour chart). The material is equipped with a self-adhesive layer with a high-quality modified acrylate-based adhesive system that is resistant to the effects of temperature and moisture.



WALLS PANNELS, ROOF

S 3020/...-L/... (self-adhesive version) is a material composite consisting of polyethylene foam approximately 3–5 mm thick, covered with a laminate approximately 3–5 mm thick made of polyurethane (polyester) foam and synthetic PVC leather (in leather colours according to the RAL colour chart), serving as a protective and decorative layer. The material is equipped with a self-adhesive layer with a high-quality modified acrylate-based adhesive system that is resistant to the effects of temperature and moisture.

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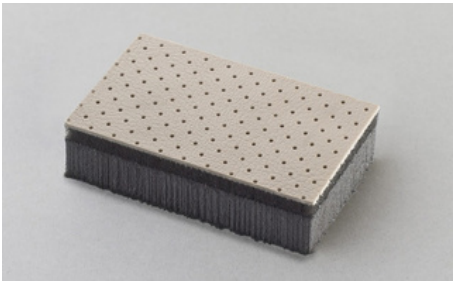
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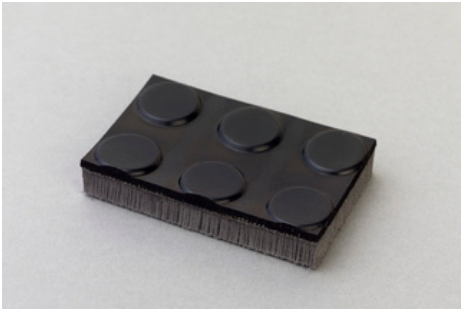
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DRIVER & CREW
CABIN



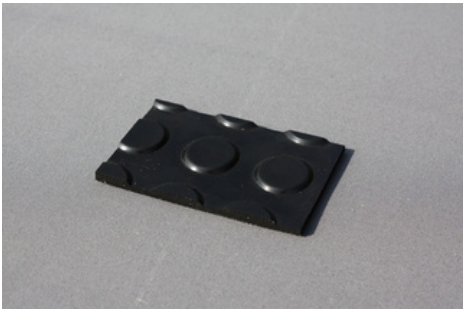
WALLS PANNELS, ROOF

S 3004/...-L/...-KL (self-adhesive version) is a material composite consisting of closed-cell polyethylene foam (approx. 5–15 mm thick), covered with a perforated laminate (approx. 5–10 mm thick, fine perforation – designation "-KL"), made of polyurethane (polyester) foam and PVC synthetic leather (available in leather colours according to the RAL colour range, serving as a protective and decorative layer). The material is equipped with a self-adhesive layer using a high-quality acrylate-based adhesive system.



FLOOR

S 3302a is a durable rubber mat with round studs, made from NR/SBR rubber and surface-laminated using a special adhesive with closed-cell polyolefin (PO) foam.



FLOOR

S 3305a/4.5 is a mat with round studs, made from an NR/SBR rubber compound. The product is supplied in sheet form.

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UNDERBODY
CHASSIS AREA

IZOVEX provides technical insulation materials for underbody and chassis applications, supporting acoustic insulation, vibration damping and thermal protection. Our solutions are selected for demanding vehicle environments exposed to mechanical loads, moisture, road debris and temperature fluctuations.

OUR SOLUTIONS



UNDERBODY & CHASSIS AREA

M 1724 is a glass fibre mat (approx. 3 mm thick), coated on one side with perforated aluminium foil (approx. 0.09 mm thick, hole diameter approx. 1.5 mm, perforation rate approx. 7%), laminated with polyester polyurethane foam and then with a composite consisting of two glass fibre mats (each approx. 7 mm thick) with heavy bitumen foil placed between them. It is equipped with a self-adhesive layer using a high-quality acrylate-based adhesive system.

BarySkin® V608M is a solvent-free, two-component (2K) polyurethane-based system offering highly effective structural vibration damping, excellent adhesion and long-term durability. It provides a strong sealing effect and corrosion protection, making it particularly suitable for demanding vehicle applications.

Its high damping performance makes it ideal for hard-to-reach areas and complex geometries where conventional insulation materials with larger surface areas cannot be applied. The coating adheres firmly to the substrate and provides long-lasting protection, sealing and vibration reduction.

Please also check other options of BarySkin® available in our offer:

BarySkin® V60

BarySkin® V61 White Special

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COOPERATION CONTACT

IZOVEX supplies technical insulation and material solutions for demanding industrial and vehicle applications. We support our customers in selecting suitable materials based on the specific construction, operating conditions and technical requirements. Whether you need a standard material, a specific specification or a solution for a demanding application, we can help identify the right product and configuration.

HOW DO WE WORK?

Please provide as much technical information as possible, including:

- application and operating conditions,
- required dimensions and quantities,
- temperature and environmental conditions,
- drawings in **3D, DXF, DFI, SolidWorks files along with technical specifications**, if available.

The more information you provide, the faster we can prepare a suitable solution!

CONTACT US!

We cooperate with manufacturers, integrators, engineering companies and industrial customers across a wide range of sectors, including automotive, special vehicles, rail, machinery and industrial equipment. We are excited to start this journey with You.

We are looking forward to hearing from You!

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THE JOURNEY STARTS HERE.