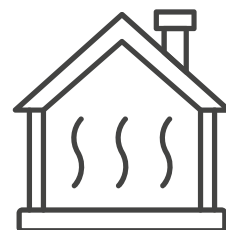




2026

Professional thermal insulation solutions

Product catalog
www.kamai.eu



High-quality thermal insulation for the demanding

PROTECTO products – professional thermal insulation solutions – are innovative films and mats that effectively reduce heat loss, provide moisture protection, and protect surfaces from excessive heating. Thanks to their exceptional material properties, our products are an indispensable element of thermal and moisture protection in construction and renovation works.



PROTHERMO THERMAL INSULATION FILM

PROThermo thermal insulation film is an excellent choice for those who value effective heat protection. Made from bubble wrap and two layers of metallization, this film reflects thermal radiation, reduces heat loss, and protects against moisture. It is a professional solution, perfect for insulating walls and other construction surfaces.

Key benefits:

- **Heat loss reduction:** Reflects thermal radiation, ensuring stable temperatures inside rooms.
- **Versatility of application:** Works excellently on wall surfaces, roofs, and attics.
- **Moisture resistance:** Protects against moisture condensation, improving comfort and the durability of structures.



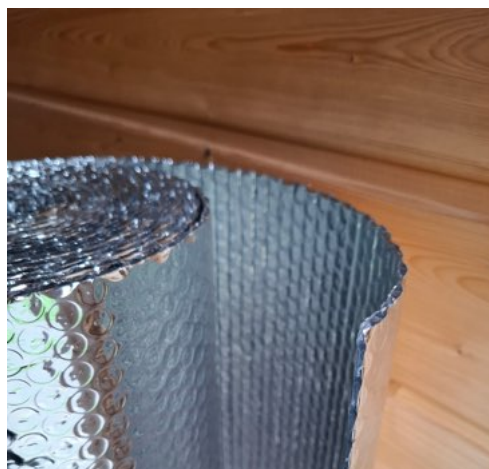
PROTHERMO THERMAL INSULATION MAT

The PROThermo thermal insulation mat, with one-sided or double-sided metallization, provides effective insulation by reflecting heat and protecting against moisture and UV radiation. With enhanced tear resistance and high tolerance to temperature fluctuations, the PROThermo mat is a versatile insulation solution in construction.

Key benefits:

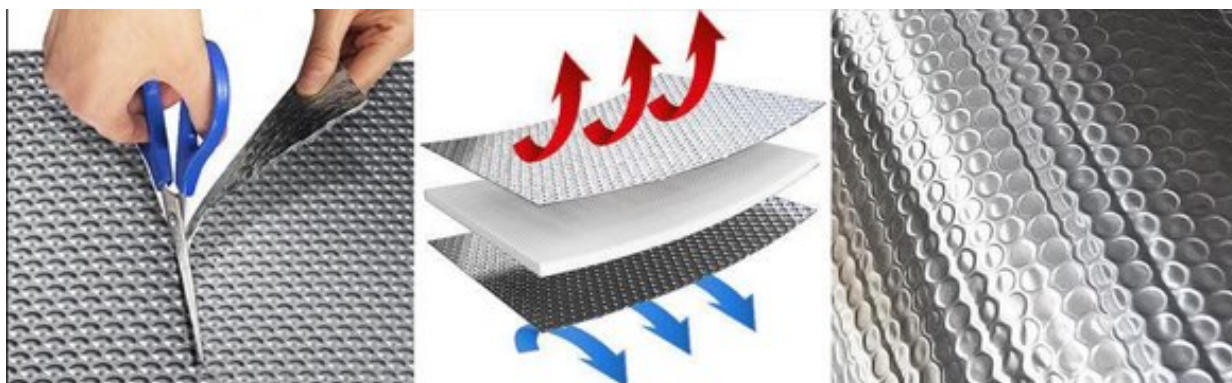
- **Maximum thermal protection:** Ideal for protecting surfaces from heating and cooling.
- **High durability:** Tear-resistant construction, perfect for harsh conditions.
- **UV radiation protection:** An additional barrier against external factors, increasing the durability of building materials.

PROTHERMO THERMAL INSULATION FILM



The product is used for thermal insulation of wall surfaces, and its main task is to reflect thermal radiation. It is made from bubble wrap and two layers of metallization, and these layers provide the best possible protection against heat loss, moisture, and excessive heating of the room interior.

We produce bubble wrap with two layers of metallization in widths of 0.6 or 1.2 meters and lengths of 10 or 20 meters. The weight is 150 grams per m². Custom dimensions can be applied according to the client's individual preferences.



PROTHERMO THERMAL INSULATION MAT



The product is used for thermal insulation of various surfaces (such as attic insulation), and its main task is to reflect thermal radiation. It is made from bubble wrap with large bubbles and a single layer of metallization, providing the best possible protection against heat loss, moisture, and excessive heating of room interiors.

We produce a one-sided metallized bubble mat with large bubbles, 1.2 meters wide and 19 meters long. The weight is 150 grams per m². The total roll contains 22.8 m² of thermal insulation mat. Custom dimensions can be applied according to the client's individual preferences.



TECHNICAL PRODUCT DATA SHEET

PROTHERMO BB150 INSULATION MAT (BIG BUBBLE) AND PROTHERMO SB150 THERMAL INSULATION FILM (SMALL BUBBLE)

PRODUCT DESCRIPTION

Bubble protection mat with thermal insulation properties, made from polyethylene foil laminated with polypropylene foil, either one-sided or double-sided metallized. It prevents heat loss and protects against moisture.

APPLICATION

For protecting building materials from low and high temperatures as well as UV radiation. For securing building elements and structures during construction work.

ADVANTAGES

- ✓ Provides high thermal insulation
- ✓ Tear-resistant
- ✓ Versatile application

PRODUCT PARAMETERS

Material: PE foil, PP foil one-sided metallized

Color: Silver

Bubble height (mm): PROThermo SB150: 4mm (small bubble), PROThermo BB150: 10mm (large bubble)

Length (m): 20m, 19m, 10m

Width (mm): 1200mm, 600mm

Tensile strength, longitudinal (%): 160

Tensile strength, transverse (%): 60

Elongation at break, longitudinal (N/mm²): 150

Elongation at break, transverse (N/mm²): 300

Water vapor permeability (%): $< 0.8 \pm 10 \%$

STORAGE

The product should be stored in dry rooms, at a temperature between +10°C and +40°C. It should not be exposed to direct sunlight or weather conditions. The product must be protected from chemical agents, especially solvent-based substances. Rolls should be transported in covered vehicles and protected from damage.

MOUNTING INSTRUCTIONS

The product should be laid with the metallized side facing up.

Technical Product Data Sheet

PROThermo 110 and PROThermo 150 Thermal Insulation Mats

PRODUCT DESCRIPTION

Bubble protection mat with thermal insulation properties, made from polyethylene foil laminated with polypropylene foil, either one-sided or double-sided metallized. It prevents heat loss and protects against moisture.

APPLICATION

For protecting building materials from low and high temperatures as well as UV radiation. For securing building elements and structures during construction work.

ADVANTAGES

- ✓ Provides high thermal insulation
- ✓ Tear-resistant
- ✓ Versatile application

PRODUCT PARAMETERS

Material: PE foil, PP foil one-sided metallized

Color: Silver

Bubble height (mm): PROThermo SB150: 4mm (small bubble), PROThermo BB150: 10mm (large bubble)

Length (m): 50 or 25

Width (mm): 1200mm

Tensile strength, longitudinal (%): 160

Tensile strength, transverse (%): 60

Elongation at break, longitudinal (N/mm²): 150

Elongation at break, transverse (N/mm²): 300

Water vapor permeability (%): $< 0.8 \pm 10 \%$

STORAGE

The product should be stored in dry rooms, at a temperature between +10°C and +40°C. It should not be exposed to direct sunlight or weather conditions. The product must be protected from chemical agents, especially solvent-based substances. Rolls should be transported in covered vehicles and protected from damage.

MOUNTING INSTRUCTIONS

The product should be laid with the metallized side facing up.

Versatile possibilities for a wide range of projects

PROTECTO™ products – professional thermal insulation solutions are used wherever effective thermal and moisture insulation is required:



- **Protection of building surfaces:** Protection of walls, roofs, attics, and foundations from heat loss.



- **Moisture insulation:** An effective barrier against moisture, ideal for high-humidity rooms.



- **UV radiation protection:** Protects materials from damage caused by exposure to sunlight.

DISCOVER THERMAL INSULATION POSSIBILITIES WITH PROTECTO™ PRODUCTS



Thermal insulation of attics and roofs

PROTECTO thermal insulation films and mats are perfect for insulating attics, helping to maintain a stable temperature. They reflect thermal radiation and prevent excessive heating of the interior during the summer, while protecting against heat loss in the winter.



Insulation of internal and external walls

PROTECTO products can be used for additional insulation of building walls, enhancing insulation efficiency and helping to meet EU energy efficiency standards. This allows for a reduction in heat loss and a decrease in heating costs.



Insulation of construction and storage containers

PROTECTO thermal insulation films and mats are perfect for insulating containers used on construction sites, where they are often exposed to fluctuating temperatures. PROTECTO products help create comfortable working conditions, even in challenging weather conditions.



Thermal insulation of cold storage and food storage facilities

In areas where maintaining a constant low temperature is essential, such as cold storage rooms or food storage facilities, thermal insulation films help maintain the proper conditions. PROTECTO insulation limits the heat transfer from the outside, reducing the need for cooling.



Thermal protection of pipelines and technical installations

PROTECTO products can be used to insulate heating pipes, ventilation systems, and other technical installations to reduce heat loss and prevent moisture condensation, which increases the efficiency of heating and air conditioning systems.



Thermal insulation of transport containers

Thermal insulation films are used to protect cargo during transport, especially for products sensitive to temperature changes. They help maintain a constant temperature inside the container, which is crucial for transporting food, pharmaceuticals, or electronics.



Acoustic insulation in industrial spaces

PROTECTO thermal insulation mats can be used for soundproofing industrial spaces, such as production halls, workshops, or warehouses. Due to their structure, they reduce noise, improving working conditions and the comfort of the space.



Energy-efficient insulation in passive and energy-efficient buildings

In energy-efficient and passive construction, maintaining minimal heat loss is crucial. PROTECTO products are the ideal choice to meet these requirements, supporting the energy efficiency of buildings and helping to reduce energy bills.



Protection of medical and laboratory surfaces from moisture

Thermal insulation mats are also used in laboratories and medical facilities, where it is essential to protect surfaces from moisture condensation and maintain appropriate environmental conditions.



Protection of greenhouses and polytunnels from heat loss

In agriculture, PROTECTO thermal insulation films help maintain the appropriate temperature in greenhouses and polytunnels, which is essential for the proper growth of plants during cooler periods.



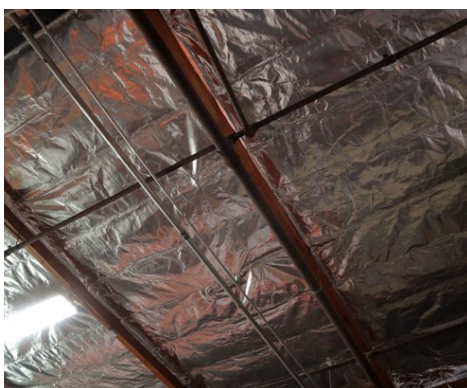
Technical insulation in industrial production

PROTECTO films can be used to insulate machines, equipment, and production areas where maintaining a stable temperature is necessary, such as in facilities producing electronics, pharmaceuticals, or other products that require precise thermal conditions.



Additional insulation of refrigerated walls in transport vehicles

In vehicles designed for transporting goods at controlled temperatures (e.g., refrigerated trucks), PROTECTO thermal insulation mats provide an additional thermal barrier, reducing energy loss and helping maintain a constant internal temperature.



Insulation of garages and workshops

PROTECTO thermal insulation films can be used to insulate garages and workshops, where insulation is often needed to protect against extreme temperatures. This helps maintain more comfortable working conditions and improves the storage of equipment.



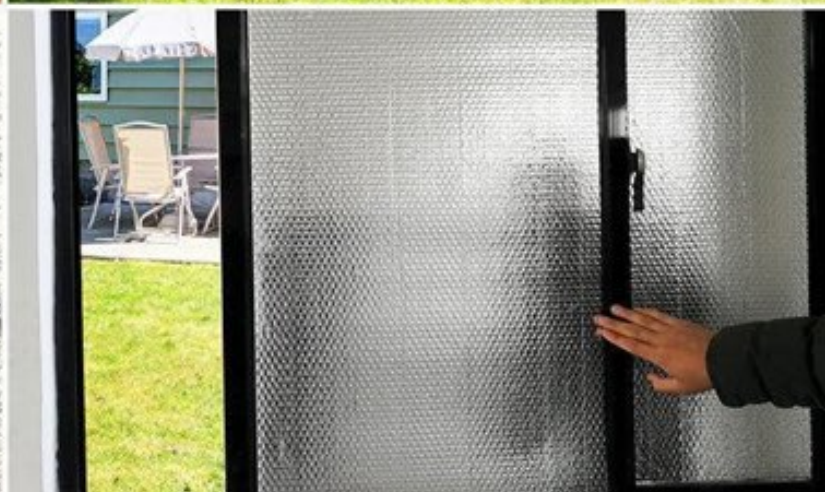
Thermal insulation of living spaces above garages

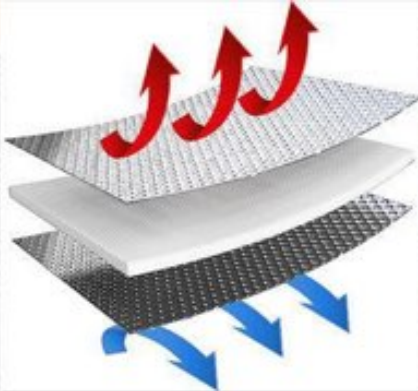
In homes where living spaces are located above a garage, thermal insulation mats can significantly reduce the transfer of cold from the garage to the living area, providing better thermal comfort and energy savings.

Why choose PROTECTO?

PROTECTO products offer a range of benefits that make them the ideal choice for professionals and those seeking reliable solutions:

- **High thermal insulation efficiency:** Save energy by reducing heating and cooling costs.
- **Excellent durability:** Resistant to mechanical damage and harsh weather conditions.
- **Versatility and flexibility:** Used in construction, renovations, and other projects requiring thermal protection.





Easy installation for maximum insulation efficiency

PROTECTO products should be laid with the metallized side facing up to achieve the maximum thermal insulation effect.



Why choose PROTECTO?

Choosing PROTECTO products guarantees effective protection against heat loss and moisture. With high-quality materials and advanced technology, our products provide the ideal solution for demanding construction projects, where reliability and durability are the top priorities.

Want to find out more?

Feel free to contact us so we can tell you more about our products.

Feel free to contact us:
www.kamai.eu/kontakt



Get to know us better

For over two decades, we have specialized in distributing products for the home, garden, camping, and sports. Our assortment includes seasonal items for Christmas, Easter, and summer holidays. With modern technology and proven processes, we ensure attractive margins, fast delivery, and flexible collaboration terms.

Our portfolio includes our own brands, well-known to customers in Poland for many years, such as Christmas tree stands, fence tapes, travel coolers, and torch oils. We are also a distributor of many renowned brands, including CADAC, BO-CAMP, Thetford, and DOMETIC.

For more information, visit:

www.kamai.pl – Company information

www.kamai.eu – Online wholesale store

Our Brands

More information: www.kamai.eu/nasze-marki





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