



**BAUTER®**

FOR PROFESSIONALS

## Effective Thin-Layer Thermal Insulation



**Save up to 58%**  
on heating and cooling costs

[www.bauter.eu](http://www.bauter.eu)

**BAUTER®**





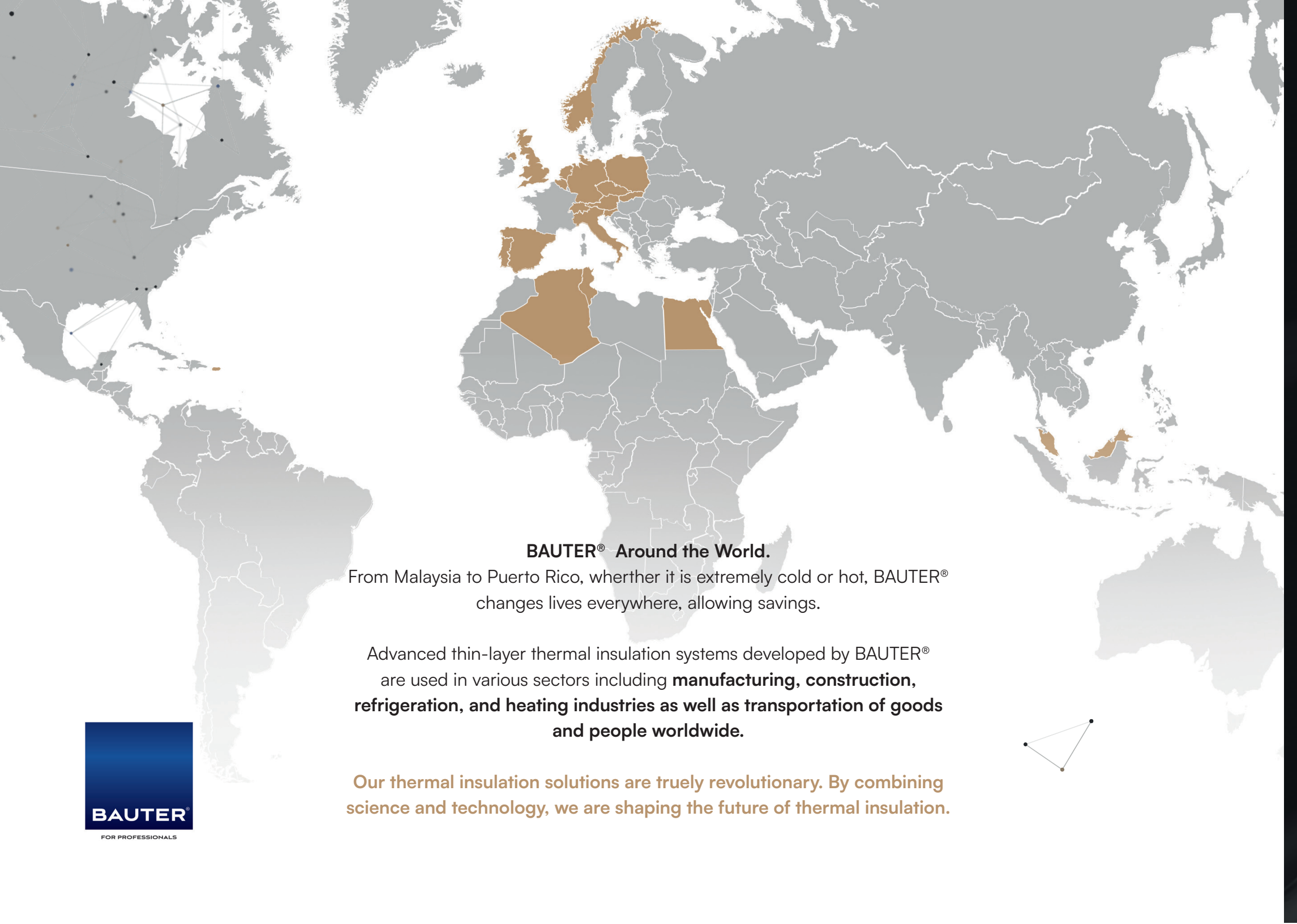
### **POOR INSULATION = HUGE BILLS TO PAY.**

When heat literally escapes through your walls, and moisture and mold appear on them, **you lose your money**. Repair bills can cost you a fortune. And it all doesn't seem to make sense.

### **BAUTER® — EFFECTIVE THIN-LAYER THERMAL INSULATION.**

Say goodbye to unnecessary expenses and losses immediately.

**Protect your building** with effective thin-layer thermal insulation **BAUTER®**. **You'll start saving** on heating and cooling immediately after application.



### **BAUTER® Around the World.**

From Malaysia to Puerto Rico, whether it is extremely cold or hot, BAUTER® changes lives everywhere, allowing savings.

Advanced thin-layer thermal insulation systems developed by BAUTER® are used in various sectors including **manufacturing, construction, refrigeration, and heating industries as well as transportation of goods and people worldwide.**

**Our thermal insulation solutions are truly revolutionary. By combining science and technology, we are shaping the future of thermal insulation.**







## **BAUTER®** space, a human hair, and a shield What do they have in common?

Did you know that the inspiration for creating BAUTER® products comes from **space** technology? If something works in extreme conditions, **it must be extremely effective.**

### **Microspheres form a tight protective shield.**

The polymer microspheres that make up BAUTER® products are only 4 µm in diameter. That's smaller than the width of **a human hair!** Imagine these microspheres working together on the facade of your building. When combined, they create an impenetrable barrier against a wide range of electromagnetic waves: from UV to visible light and even distant infrared waves, trapped by the microspheres, they are time and again reflected and then absorbed.

The BAUTER® **shield** effectively protects your building from harmful solar radiation.





## How does **BAUTER®** work?

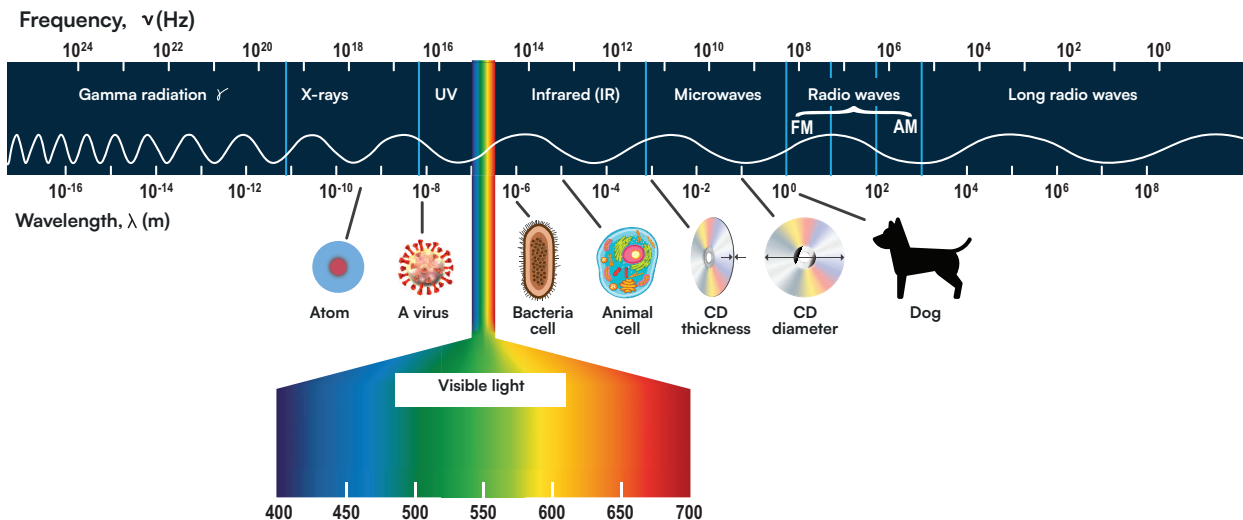
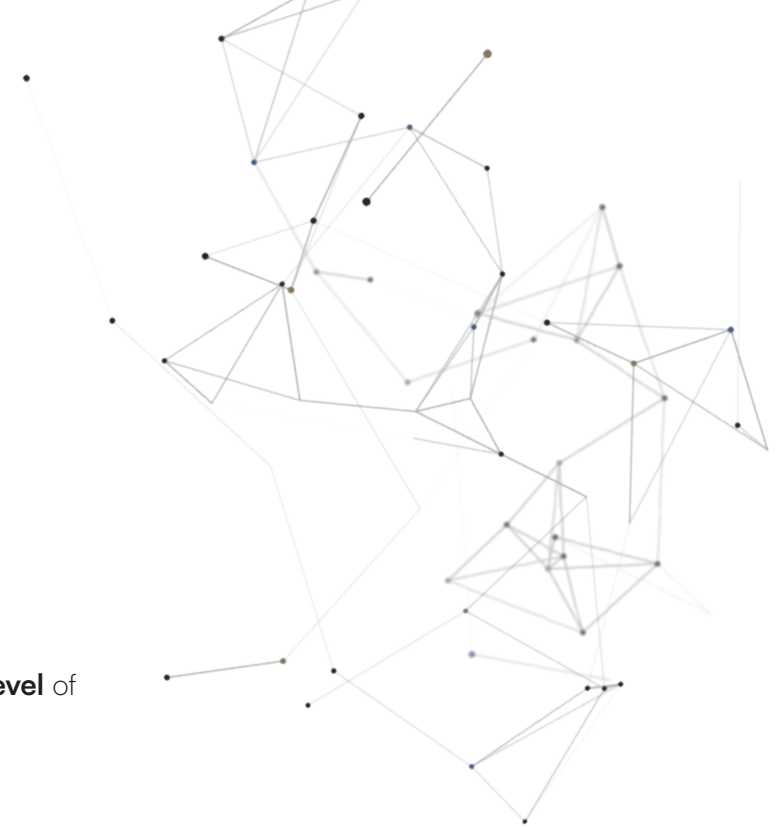
BAUTER® works on the principle of a **Thermal Shield**, which reflects radiation. It has **the highest Total Solar Reflectance (TSR) rating on the market.**

### 93% TSR

The Total Solar Reflectance (TSR) Coefficient  
With BAUTER® **over 93%** of solar energy gets reflected from the walls and roof, preventing it from entering the building.

### Pure Polymers

Polymer Microspheres  
In BAUTER® systems, we use polymer microspheres with an extremely **high level** of thermal reflectivity.



**The BAUTER® system offer a range of uniquely characterized thermal insulation products.**

Heat exchange occurs not only through barriers such as walls or roofs but also through radiation. Thermal radiation (in the infrared spectrum) is a part of electromagnetic radiation, a small segment of which is the visible light.



## BAUTER<sup>®</sup> in the summer

Summer heat turns a non-air-conditioned building into a real „oven.“ You face a tough choice: **endure the scorching heat or pay for expensive cooling with air conditioning?**

**But what if there was a way to enjoy a pleasant coolness without the ever-increasing electricity bills?**



## BAUTER<sup>®</sup> in the winter

Are you looking for ways to keep the heat inside? Poorly insulated walls and thermal bridges are like open doors for escaping warmth. High heating bills can result in thousands of dollars of unnecessary costs.

**Heat flies out of the building, along with the money from your wallet. All you need is BAUTER<sup>®</sup>.**

## Stop insulating with air!

### Traditional materials



**Insulating with traditional materials is like building with blocks.** You assemble from many parts. It's clear that there are gaps between them which create thermal bridges through which heat escapes.



#### **Air is not the best insulation**

In traditional materials, air acts as the insulator. The effectiveness of the insulation depends on temperature, humidity, and even the production date.

### **BAUTER®** changes the game.



BAUTER® thin-layer thermal insulation is a uniform, seamless coating with NO GAPS. Forget about thermal bridges and energy losses; BAUTER® acts as an impenetrable protective shield, effectively reflecting any radiation.



Thanks to BAUTER®, insulation becomes more effective because:

- **Blocks up to 93% of thermal energy.**
- **Is resistant to changing weather conditions (heat, frost, rain, snow, UV radiation).**



## Surround your building with the BAUTER® Thermal Shield.

### **Discover Pleasant Coolness in Summer and Cozy Warmth in Winter**

Choose BAUTER® and reduce heating and cooling costs by up to 58%. Surround your building with the BAUTER® Thermal Shield.

### **BAUTER® - An Investment That Pays Off Quickly**

Did you know that our clients' heating and cooling bills dropped from the very first month after applying BAUTER®?





## Where to use **BAUTER®**

Use BAUTER® wherever heat escapes.  
Both outside and inside the building.



### **BAUTER® OUTSIDE**

Outside:  
For walls insulation,  
to eliminate thermal bridges



### **BAUTER® ROOF**

On roofs:  
For roof insulation,  
to prevent overheating



### **BAUTER® INSIDE**

Inside:  
For wall insulation,  
to retain heat inside



### **BAUTER® FLOOR**

On floors:  
For floor insulation,  
to prevent heat from escaping  
below



### **BAUTER® WOOD**

For wood:  
For insulation and protection,  
to prevent heat loss



### **BAUTER® INVISIBLE**

For historic buildings:  
Insulating without altering  
the historic appearance



### **BAUTER® THERMAL MASS**

For industry:  
For insulation to reduce  
energy loss



# BAUTER® OUTSIDE

BAUTER® OUTSIDE effectively protects **the exterior walls of your building**.  
This groundbreaking thermal insulation and reflective coating is suitable for direct application on various surfaces, from cement to concrete.

**Choose your favorite matte color with BAUTER®** to achieve an aesthetic and project-compliant finish for your building.

Thickness: 0,5-1,5 mm

Apply on: concrete, plaster, aerated concrete, brick, or textured surfaces



## Advanced temperature control:

- Walls do not overheat
- No thermal bridges
- Heat stays inside
- Prevents cracks
- Helps maintain wall color



## Maximum protection against moisture:

- Waterproof coating
- Prevents water absorption
- Actively wicks away moisture
- Keeps foundations dry



## Convenience and durability:


- Seals microcracks
- Extends walls lifespan
- Weather-resistant
- Easy to clean
- Maintains fresh colours longer
- Protects against mold, fungi, and salt efflorescence







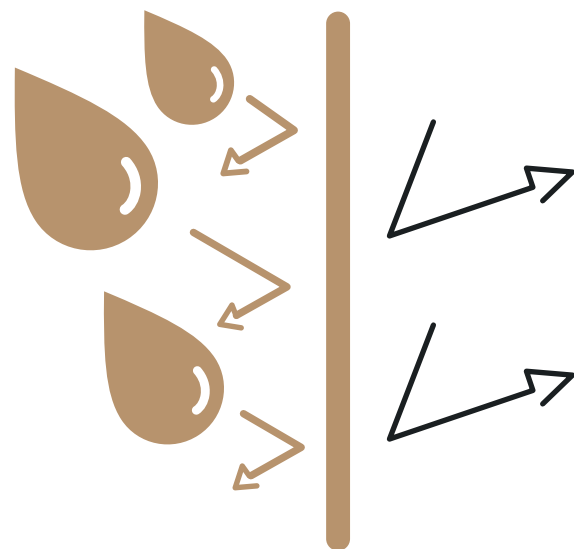
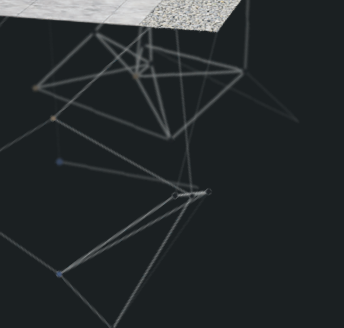
## Insulation and Elevation: Two in One



BAUTER® OUTSIDE insulates and transforms your house elevations. It creates a coating on the surface that effectively reflects solar radiation. Thanks to its unique structure, the coating does not seal the walls completely but allows them to „breathe,” actively pushing moisture out of the masonry. This protection is extremely important in the renovation of historic buildings.

Using BAUTER® OUTSIDE guarantees dry and well-insulated walls. Stable temperatures and dry walls reduce the risk of cracks, saving you significant amounts on repairs and energy costs for heating and cooling the building.

With BAUTER® OUTSIDE, your house elevations benefit double: they obtain protection and long-lasting aesthetic appeal. You no longer have to worry about cracks and fading. BAUTER® ensures that the walls of your building preserve their appearance and colors for years to come.





# BAUTER<sup>®</sup> ROOF

BAUTER<sup>®</sup> ROOF is an advanced thermal insulation coating with waterproofing properties, designed to protect roofs. It is ultra-light, so it does not add weight to the ceilings. You can enjoy an aesthetic finish in your favorite matte color. BAUTER<sup>®</sup> ROOF, as a flexible coating, **corrects microcracks and prevents formation of new ones.**

Thickness: 0,5-1 mm

Apply on: sheet metal, roofing felt, tiles, metal roofing, shingles, membrane, or concrete tiles



## Thermal comfort:

- Roof does not overheat
- Provides a cooler attic
- Reduces heat loss in winter



## Complete sealing:

- Effectively secures and protects any roof
- Eliminates and prevents microcracks
- Creates a waterproof barrier



## Lightness and effectiveness:

- It is lightweight
- Does not add unnecessary weight to the roof
- Eliminates the „heat island” effect





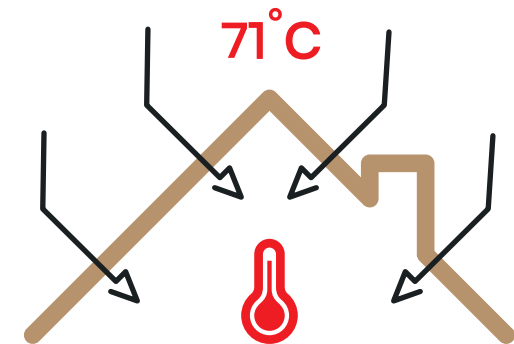


## Protect Your Roof

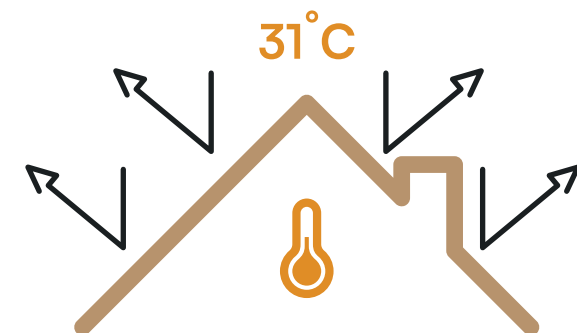
BAUTER® ROOF has double the power. In summer, it protects your roof from overheating, and in winter, it reduces heat loss. BAUTER® creates an effective shield on the surface that reflects solar radiation. As a result, the temperature in the attic immediately drops. On hot days, it can be over 40°C cooler compared to unprotected surfaces.

In winter, BAUTER® ROOF acts like armor. It retains the heat generated inside, leading to energy savings on heating costs.

**Did you know that by insulating with BAUTER®, you can drastically reduce the attic temperature in summer from 71°C to 31°C?**



Surface Temperature of the Roof  
**Without** BAUTER® ROOF



Surface Temperature of the Roof  
**With** BAUTER® ROOF





BAUTER® INSIDE is an advanced, breathable **thermal insulation coating** designed for building interiors. It enhances thermal comfort in rooms, replacing traditional insulation systems. Your walls and ceilings will have an aesthetic finish. Most importantly, you will save on heating and cooling costs.

Thickness: 0,5 mm

Apply on: concrete, plaster, drywall, OSB board, brick



### Thermal comfort:

- Provides warmth in winter and coolness in summer
- Effectively eliminates thermal bridges
- Balances temperature throughout the room
- Maintains optimal air humidity levels



### For allergy sufferers:

- Reduces the risk of mold and mildew formation
- Limits the spread of dust and allergens
- Breathes by wicking away moisture



### Designer interiors:

- Rich colour palette
- Long-lasting colours
- Premium finish

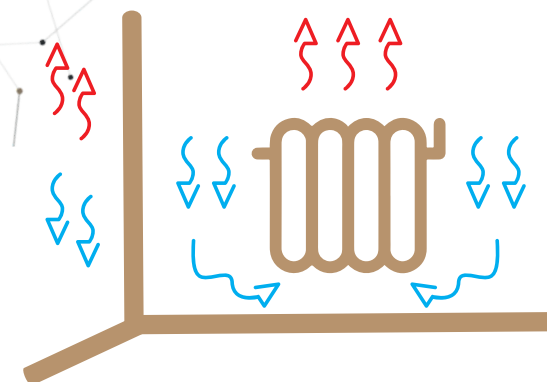
## Live Beautifully, Save Smartly

**BAUTER® INSIDE** creates a **thermoreflective screen** on insulated surfaces that evenly distributes heat and stabilizes moisture in the room. Traditional finishes mainly serve aesthetic purposes. In contrast, BAUTER® INSIDE provides an additional layer of insulation.

### Allergy-Friendly System

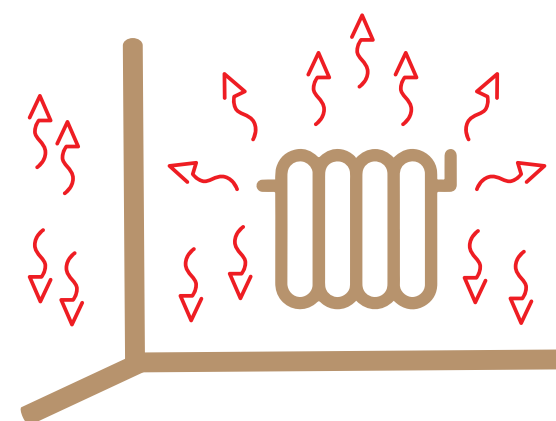
The temperature in a BAUTER® insulated room is evenly distributed because the heat spreads uniformly. Why is this important? **A uniform thermal system reduces the migration of allergens and pollutants.**

BAUTER® INSIDE eliminates the risk of condensation on thermal bridges, **preventing the formation of mold and mildew.** It offers significant savings on heating and cooling costs year-round. **It provides an aesthetically pleasing and allergy-friendly interior.**



Walls covered with  
**regular paint**

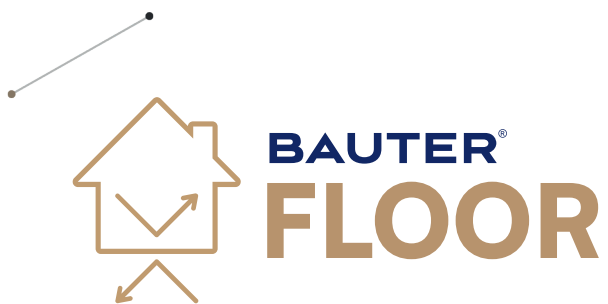
A radiator draws in cold air and releases warm air, causing heat to accumulate at the top of the room.



Walls covered with  
**BAUTER® INSIDE** coating

Ensures even temperature distribution, eliminating cold zones and increasing thermal comfort.





### Do you enjoy walking barefoot?

BAUTER® FLOOR can insulate all surfaces, including floors, concrete, plaster, and OSB board. It's an excellent choice if you have **underfloor heating**. Apply it under heating mats or panels to gain additional protection against moisture and cold. With BAUTER® FLOOR on your floor, you can walk barefoot all year round!

BAUTER® FLOOR is also ideal **for insulating foundations**, providing both thermal and waterproof protection.

Thickness: 1,0-2,0 mm

Apply on: flooring, plaster, concrete, OSB board



### Temperature under control:

- Effectively reduces heat loss
- Provides a warm floor effect
- Seals and insulates the foundation



### Waterproof protection:

- Blocks moisture
- Protects against mold and mildew
- Preserves and protects floors

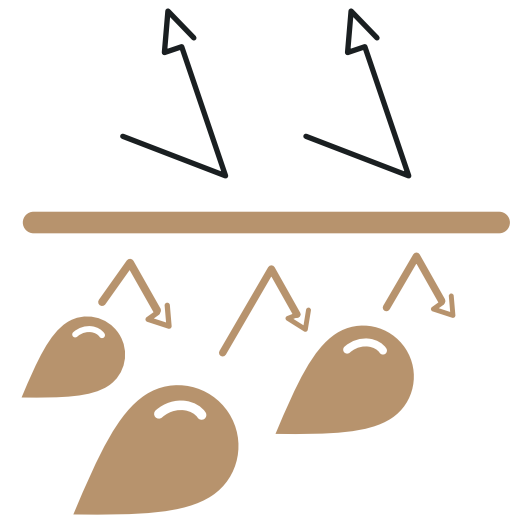




## Do you enjoy walking barefoot?

**BAUTER® FLOOR** is a thermal and waterproof insulation material that is perfect for insulating floor, wall, and ceiling surfaces. It is often used under heating systems, such as underfloor heating. You can apply it, for example, under heating mats or panels, while also providing moisture protection.

**BAUTER® FLOOR** is also used in insulating foundations, serving as an effective thermal and waterproof barrier.





**BAUTER®**  
**WOOD**

BAUTER® WOOD is a **revolutionary thermal insulation coating** for wooden surfaces. It provides dual protection: preservation and thermal insulation. BAUTER® WOOD protects wood from water, UV radiation, and changing weather conditions. **It prevents heat loss and eliminates thermal bridges.**

Thickness: 0,3-0,5 mm

Apply on: wooden elevations, log walls, sauna, wooden shingles, wood



#### Temperature under control:

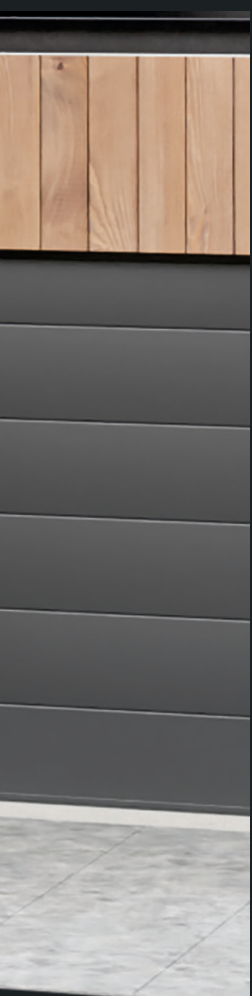
- Minimizes heat loss
- Eliminates thermal bridges
- Protects against moisture



#### Long-lasting wood protection:

- Effectively protects wood
- Resistant to changing weather conditions
- Slows down wood aging

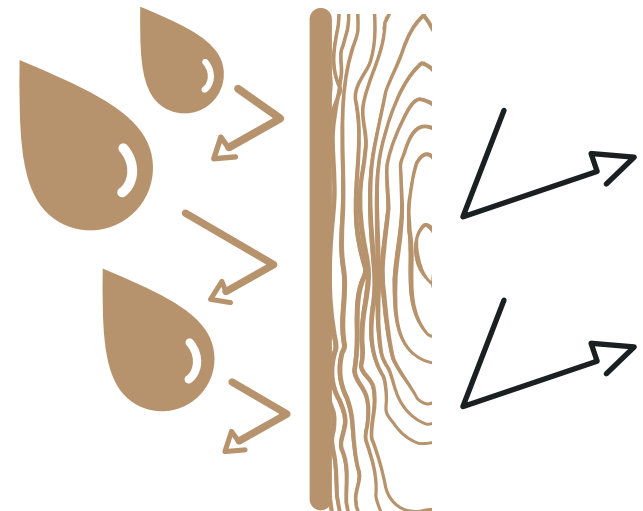




## Protection and Decoration in One

BAUTER® WOOD is a **ready-to-use product** suitable for both exterior and interior applications. It protects wood while enhancing its natural beauty, providing long-lasting protection and aesthetics to wooden surfaces.

With BAUTER® WOOD, you will enjoy the original appearance of your wooden finishes for longer. Protect your wood with BAUTER® WOOD and effectively shield it from changing weather conditions.







# BAUTER® INVISIBLE

BAUTER® INVISIBLE is a protective material with thermal insulation properties. It is a transparent coating designed **for use on historic monuments and buildings**. It protects valuable structures from the harmful effects of UV and IR radiation and prevents damage caused by weather conditions. Conservators will appreciate it because it does not alter the color or texture of the walls.

Thickness: 0,3 mm

Apply on: brick, stone, clinker, architectural concrete, wood



## Temperature under control:

- Reduces heat loss
- Eliminates thermal bridges
- Prevents wall overheating



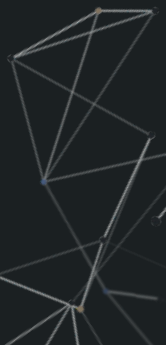
## Protection against degradation:

- Protects elevations, walls, and foundations
- Resistant to adverse weather conditions
- Provides excellent hydrophobic properties



## Invisible protection:

- Transparent coating
- Invisible on historic monuments and buildings where altering appearance is not desired







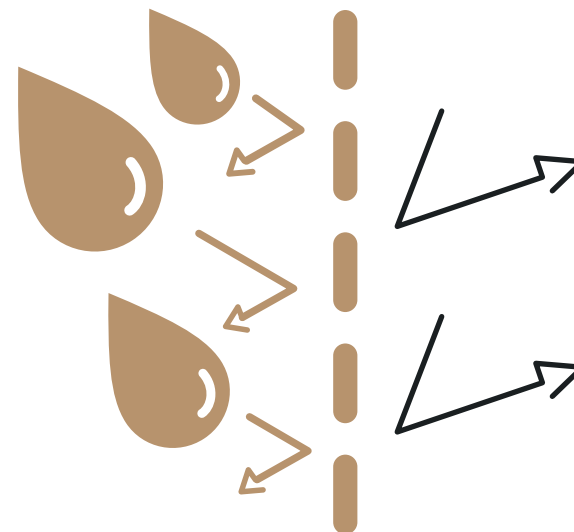
## Conserving surfaces

BAUTER® INVISIBLE is a thermal-insulating coating **designed for the preservation of historic monuments** and places where maintaining the original appearance is crucial. BAUTER® INVISIBLE corrects microcracks while allowing walls to „breathe.” With its thermal-reflective properties, **it forms a flexible barrier that reflects heat.**

Using BAUTER® INVISIBLE provides you with:

- Heat-reflecting capability,
- Invisible protection - the coating is transparent, favored by conservators of historic sites,
- Protection against further structural cracking - high elasticity up to 300% and vapor-permeable properties that enhance wall drying.

BAUTER® INVISIBLE effectively safeguards the historic beauty of buildings, ensuring the monuments remain unaffected and their surfaces free from dirt, mold, and fungi.





# BAUTER® THERMAL MASS

BAUTER® THERMAL MASS, with a thickness of just a few millimeters, allows for significant space savings while maintaining excellent insulation properties. It is used on surfaces reaching temperatures **up to 320°C**. BAUTER® THERMAL MASS is an elastomeric coating that provides effective protection to elements where insulation with traditional materials has been difficult or even impossible.

Thickness: 1,0-5,0 mm

**Apply on:** pipeline, shipping container, sandwich panel, refrigeration unit, freezer, metal tank, oven, machinery, ventilation duct



## Temperature under control:

- Effectively reduces heat loss
- Eliminates thermal bridges
- Increases the efficiency of heating devices



## Protection and repair:

- Protects against high temperatures
- Increases occupational safety
- Enables easy repairs of mechanical damage







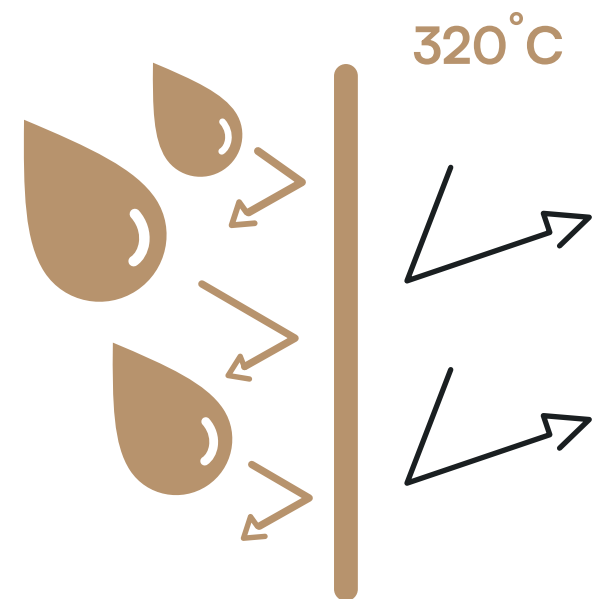
## Save MORE

BAUTER® THERMAL MASS is a solution **for the industrial sector** where overheating is an unpleasant everyday reality.

BAUTER® THERMAL MASS reflects radiation and creates energy traps. This allows it **to be used in places where traditional insulation fails**. These include pipelines, ovens, or ventilation ducts.

Why settle for anything less than BAUTER®?  
With BAUTER® THERMAL MASS, you can effectively reduce heat loss by up to 80%. These are tangible savings on insulation and operations. The temperature will be significantly reduced, further increasing energy efficiency.

Say goodbye to extreme temperatures. Welcome BAUTER® THERMAL MASS. **Join the leaders in industrial thermal insulation.**





## 15 Advantages of BAUTER®

Effective thin-layer thermal insulation



1



### Savings on energy

With BAUTER® you immediately have **lower heating and cooling bills.**

Thanks to the increased efficiency of devices (heat pumps, air conditioning) you reduce bills and **use less energy.**

2



### Elimination of thermal bridges

When you have airtight walls - you reduce heating and cooling costs.

BAUTER® provides **effective insulation.**

It eliminates thermal bridges and energy doesn't escape outside.

3



### Stable temperature

With BAUTER®, you can **lower the thermostat by up to 5°C.** Not only will you maintain a constant and comfortable temperature indoors, but also obtain concrete savings on bills.

4



### Thermal comfort

BAUTER® guarantees the perfect temperature **throughout the whole year.**

It ensures even distribution of heat from the floor to the ceiling. You are going to feel it as soon as the second day after applying BAUTER®.

5



### Attic without heat

In Poland, most roofs overheat in the summer, reaching temperatures as high as 85°C! BAUTER® prevents this by maintaining the **roof temperature at the ambient level.**

6



### Roof without leaks

The elastic layer of BAUTER® creates a **waterproof protective barrier.**

It effectively seals micro-cracks and prevents water from penetrating inside the building.



7



### For every surface

BAUTER® can be applied to various **surfaces**: elevation walls, roofs, floors, interior walls, wood, and even pipes. It provides quick and effective **insulation both outdoors and indoors**.

8



### Protection against moisture

BAUTER® has **vapor-permeable properties**. It prevents mold and fungi growth and protects walls and foundations from moisture.

9



### Any colour you like

You choose the color according to your preferences. **Choose from 36 available colors**.

10



### Durability

Say goodbye to cracks and faded colors. BAUTER® is resistant to weather conditions: rain, heat, frost, humidity, dryness, or UV radiation. Long-lasting protection of surfaces is guaranteed.

11



### Building retrofit

BAUTER® enables **quick and aesthetic retrofitting a building**. It improves its functionality and appearance while reducing heating and cooling bills.

12



### Allergy-Friendly

Thanks to the use of organic components, BAUTER® reduces allergens in the air. It creates **a healthy microclimate in your room**.

13



### Quick application

BAUTER® spray technology ensures fast and precise coverage of surfaces, **significantly reducing installation time**.

14



### Ecological Choice

Your building, coated with BAUTER®, requires less energy for heating and cooling. By **reducing CO<sup>2</sup> emissions**, you support sustainable development.

15



### Innovation in thermal insulation

BAUTER® is an innovative solution that addresses contemporary **challenges in energy efficiency**.



**BAUTER®**

Join the eco-saving leaders,  
contact BAUTER®

BAUTER® products are available exclusively  
through authorized distributors and partners.



If you want to learn more, please contact us:

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The background is a dark navy blue. In the corners, there are faint, white line-art geometric shapes. Top-left: A complex polygon with several internal lines and a small blue dot at one vertex. Top-right: A complex, multi-pointed geometric structure with several internal lines and small blue and orange dots at vertices. Bottom-left: A simple triangle with a small orange dot at one vertex. Bottom-right: A single line segment with small orange dots at both ends.

**BAUTER<sup>®</sup>**