



inoterm[®]



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THE WORLD IS NOW FOCUSED ON ENERGY!

Energy efficiency and energy saving
It is the most important item on the agenda.

HEAT-WATER-SOUND-FIRE

PLASTER **WITH INOTERM**

CONSERVE YOUR ENERGY, SECURE YOUR FUTURE!

OUR PRODUCTS ARE ;

IT IS A HIGH-PERFORMANCE THERMAL INSULATION SOLUTION
DEVELOPED BY COMBINING SPECIAL RAW MATERIALS BASED ON
NATURAL MINERALS
WITH ADVANCED PRODUCTION TECHNOLOGIES.

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WE ARE GOING TO WINTER

WE ARE READY!

More Efficient Buildings, More Comfortable Living Spaces

Today, rising energy costs make high-performance insulation solutions more important than ever. INOTERM Thermal Insulation Plaster improves the thermal performance of the building envelope, contributing to a reduction in energy requirements for heating and cooling.

Thanks to its high vapor permeability, it helps maintain the natural moisture balance of walls. This contributes to a more balanced temperature and higher living comfort in interior spaces.

INOTERM not only increases energy efficiency; it also supports the longevity of buildings by protecting building elements against external factors. This helps reduce maintenance costs and preserve the value of the building.

INOTERM, which can be safely used in new construction projects and renovation applications, offers a sustainable solution to the needs of modern buildings by combining energy efficiency, durability and ease of application in a single product.

INOTERM: Energy Efficiency • Comfort • Durability • Sustainability

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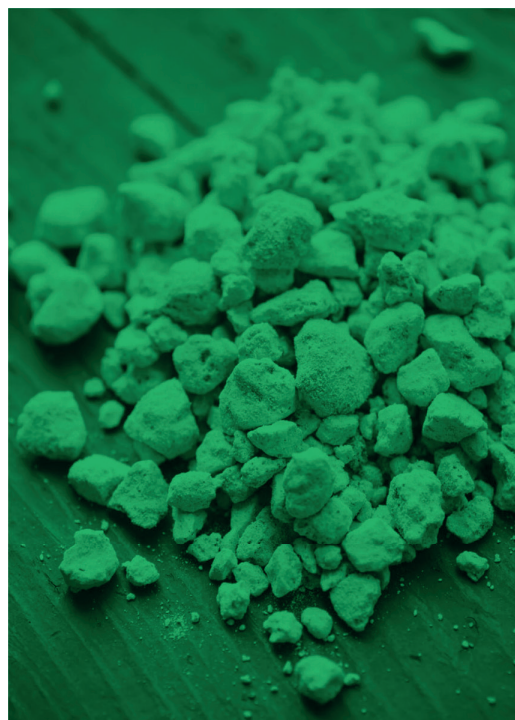


ENTRANCE

INOTERM is an innovative insulation plaster developed to meet the energy efficiency and sustainability needs of modern buildings. Thanks to its advanced formulation, it offers superior performance in heat, water, sound and fire insulation, extending the lifespan of buildings and improving quality of life. This catalog details the technical specifications, application advantages, and compliance with international standards of INOTERM products.

ABOUT US?

INOTERM is a pioneering company operating with the mission of providing natural insulation solutions that are sensitive to human health and the environment. Combining our expertise in building chemicals, facade coatings, and manufacturing, we offer products produced with industrial technology and continuously improved. We act with a sense of responsibility to ensure that future generations have healthy living spaces and to protect natural resources. Our products are manufactured and tested in accordance with international quality standards.



OUR VISION

■ Our vision at INOTERM is to be a world leader in sustainable building solutions.

Our goal is to maximize customer satisfaction and play a leading role in the industry with innovative products.

With our principles of honesty, trust, and quality, we aim to contribute to the global economy.



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■ WHY INOTERM?



INOTERM offers a long-lasting, high-performance, and multifunctional insulation solution for buildings. With a single application, it combines thermal insulation, water protection, fire safety, sound comfort, and structural durability, providing the performance required by modern buildings.

MAIN ADVANTAGES

High Thermal Insulation Performance

Thanks to its low thermal conductivity coefficient, it helps reduce heat losses in the building envelope. This increases the energy efficiency of buildings and contributes to lowering the energy requirements of heating and cooling systems.

For detailed technical performance values, please refer to the Product Technical Data Sheet.

Water Protection

Thanks to its water-repellent properties, it helps reduce the penetration of rainwater into the building surface. It contributes to the protection of building elements against external factors, thus extending their lifespan.

Sound Comfort

Thanks to its porous structure, it helps reduce external noise and supports the creation of quieter, more comfortable living spaces.

Fire Safety

Thanks to its inorganic structure, it is resistant to high temperatures and supports fire safety.

Fire Class: A1 (EN 13501-1)

Vapor Permeable Structure

Thanks to its high water vapor permeability, it helps maintain the natural moisture balance of building elements. With proper application, it contributes to reducing the risk of condensation and creating healthier building envelopes.

Environmentally Friendly

Produced from natural and inorganic raw materials. Contains no VOCs (Volatile Organic Compounds). Developed with an environmentally conscious production approach, it supports sustainable building practices.

Lightweight and Structure-Friendly

Thanks to its low density, it does not add extra load to the structure. This feature provides a significant advantage in both new buildings and renovation projects.

Easy and Fast Application

It can be easily applied manually or by machine. It shortens application time, increasing labor efficiency, and can be safely used on various building surfaces.

Long-lasting performance.

Thanks to its inorganic structure, it maintains its performance over time, exhibiting high resistance to decay and biological degradation, thus contributing to the safe use of structures for many years.

■ ARE YOU READY FOR SUMMER? ENJOY A MORE COMFORTABLE ENVIRONMENT WITH YOUR LOVED ONES.

Energy Efficiency and Comfort of Living

A large portion of the energy consumed in buildings is spent on heating and cooling interior spaces. In climates with four seasons, rising energy costs and increasing comfort expectations make high-performance thermal insulation solutions more important than ever.

Inoterm is an innovative thermal insulation plaster with a low thermal conductivity coefficient and T1 quality class, developed to improve the energy performance of buildings. By reducing heat loss, it helps lower the heating and cooling energy needs of buildings and supports the creation of more sustainable structures.

By helping to maintain a more balanced indoor temperature, inoterm increases energy efficiency by reducing the need for mechanical heating and cooling systems. In this way, it offers its users more comfortable living spaces while contributing to lower energy costs and reduced carbon emissions.

With proper design and appropriate application, inoterm offers an environmentally friendly and high-performance insulation solution that supports the longevity of buildings.



■ Technical Specifications and Performance Data

The technical specifications and performance data of INOTERM products are summarized in the table below. Detailed test reports and certificates can be provided upon request.

Test Parametresi	Test Standard	Requirement (EN 998-1)	INOTERM Result	Evaluation
Thermal Conductivity Coefficient (λ)	EN 1745	$T1 \leq 0.10 / T2 \leq 0.20$ W/mK	0.031 W/mK	✓ Far Above T1 Class
Fire Reaction Class	EN 13501-1	Class A	A,s1,d0	✓ Fireproof
Dry Bulk Density	EN 1015-10	Declared Value	461.5 kg/m ³	✓ Suitable
Compressive Strength	EN 1015-11	$CS II \geq 1.5$ N/mm ²	7.75 N/mm ²	✓ EN 998-1 Beyond Necessity
Adhesion Strength	EN 1015-12	Greater than the declared value	0.93 N/mm ² (Fracture Type B)	✓ Suitable
Capillary Water Absorption	EN 1015-18	$W1 \leq 0.40$ kg/m ² ·min ^{0.5}	0.19 kg/m ² ·min ^{0.5}	✓ W1 Class
Water Vapor Permeability Coefficient	EN 1015-19	≤ 15	11.16	✓ Suitable



Note: The above values were obtained under laboratory conditions and may vary depending on application conditions.
For the most up-to-date and detailed technical data sheets, please visit our website or contact us.

■ QUALITY IN PRODUCTION

The raw materials used in the production of Inoterm products are sourced from reliable suppliers that meet specified quality criteria. Before being introduced into the production process, the raw materials undergo laboratory tests as part of quality control procedures to verify their suitability.

All stages of production are continuously monitored and controlled in accordance with quality management processes. The Inoterm production system operates in accordance with the principles of the ISO 9001 Quality Management System, prioritizing continuity in product quality, traceability, and customer satisfaction.

- ✓ Thanks to its high water vapor permeability, it helps maintain the natural moisture balance of walls. This feature, with proper structural design and correct application, helps reduce the risk of condensation, control moisture and mold formation, and support the creation of healthier indoor conditions.
- ✓ Inoterm is a multifunctional building material that contributes to increased sound comfort, fire safety, and the longevity of buildings, in addition to thermal insulation. Thanks to its inorganic structure, it maintains its durability for many years and sustainably continues its performance.
- ✓ Thanks to its easy-to-apply structure, it can be easily applied to different surfaces in new construction projects and renovation works. By offering multiple performance advantages with a single product, it simplifies the application process, helps optimize labor costs, and contributes to energy efficiency throughout the lifecycle of buildings.



AGAINST THE COLD

AGAINST THE HEAT

AGAINST THE WATER

FIRE PROTECTION

AGAINST THE MOLD

AGAINST MOISTURE

Legal Notice (Disclaimer)

The information contained in this catalog is intended for general introduction and information about INOTERM products. Technical data and performance values have been obtained as a result of tests conducted under standard laboratory conditions. Differences may occur in the stated values depending on application conditions, surface properties, and environmental factors. In line with its principle of continuous product development, INOTERM reserves the right to make changes to technical specifications and content without prior notice. Nothing in this catalog can be interpreted as a legal guarantee or commitment. Before selecting and applying a product, current technical data sheets and application guides should be reviewed, and technical support should be sought if necessary. INOTERM accepts no responsibility for any consequences arising from the incorrect or incomplete use of the information in this catalog.

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EXTERIOR FACADE ADVANTAGES

It provides thermal, water, sound, and fire insulation on exterior facades, interiors, and between floors with a single product.

Buildings, which make up our living, working, and social spaces, offer a quieter, healthier, and more comfortable life.

It provides significant savings on heating and cooling costs.

Because it can be applied seamlessly, it does not create thermal bridges.

Thanks to its low density, it does not add extra load to the building and is compatible with all types of structural elements.

It has a T1 quality class.

It has a fire resistance rating of class A1.

Thanks to its water-repellent properties, it protects the structure from rainwater.

Thanks to its breathable structure, it helps prevent sweating, mold, moisture, and odor formation.

Thanks to its natural mineral composition, it does not contain substances harmful to human health.



You'll always feel at ease!

INTERIOR FACADE ADVANTAGES

With its eco-friendly and natural mineral-based composition, it contributes to sustainable building solutions.

It helps create quieter and more comfortable indoor spaces by enhancing sound insulation performance.

It helps reduce heat loss and increase energy efficiency by improving thermal insulation performance.

It has a fire class of A1 according to the EN 13501-1 standard.

Its low thermal conductivity helps reduce the energy required for heating and cooling.

Thanks to its high water vapor permeability, it helps maintain the natural moisture balance of walls and supports the reduction of the risk of condensation.

Its seamless application reduces the risk of thermal bridges.

Thanks to its low density, it does not add extra load to the structure.

It contains no harmful substances and offers safe use with its environmentally friendly composition.

By helping to maintain moisture balance.

It helps reduce the risk of mold growth.



You'll always feel at ease!

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INSULATED SCRUBBER ADVANTAGES

Thanks to its low thermal conductivity, it helps reduce heat loss from floors.
It helps reduce energy consumption by supporting the energy efficiency of heating and cooling systems.
It has a fire class of A1 according to the EN 13501-1 standard.
It helps reduce sound transmission in building flooring, thus supporting acoustic comfort.
Thanks to its low density, it imposes less constant load on the structure compared to traditional cement screeds.
Thanks to its natural and inorganic mineral structure, it is environmentally friendly and does not contain harmful substances or VOCs (Volatile Organic Compounds).
Thanks to its dimensional stability, it helps reduce the risk of cracking under suitable application conditions.
It helps maintain the soil's moisture balance.
It can be easily applied both manually and by machine.
Thanks to its fluid consistency, it spreads easily on the surface and helps to level it evenly.
It increases labor efficiency by shortening the application time.
It offers a lightweight, durable, and high-performance flooring solution that can be safely used in new construction and renovation projects.



You'll always feel at ease!

FIRE-RESISTANT PLASTER ADVANTAGES

It can be applied over existing EPS and XPS insulation systems.
It creates an additional protective layer with an application thickness of approximately 1 cm.
It contributes to increasing fire resistance performance.
It has an inorganic and mineral-based structure.
Thanks to its lightweight structure, it does not create additional load on the structure.
Provides high adhesion.
It is resistant to adverse weather conditions.
Easy to apply.
Suitable for renovation projects.
Provides long-lasting building protection.



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APPLICATION



Areas of Application:

It is applied directly to building exteriors, columns and beams, in rough and fine plaster applications, and on brick and lightweight concrete blocks. A primer must be used on exposed concrete, aerated concrete, and painted surfaces.

Surface Preparation:

Blistered paint and porous plaster must be scraped off the surface. On painted surfaces, 4–5 notches should be made for every 10 cm². The surface to be painted must be completely free of dust, dirt, and loose particles. Painted surfaces must be primed.

Application:

Main battens, which determine the application thickness, are placed on the prepared surfaces. Mortar is applied between the battens using a steel trowel or plaster trowel and leveled.

After the initial setting (approximately 1–2 hours), the main battens are removed from the surface, and the resulting gaps are filled with the same mortar and leveled. When the product reaches touch dryness (approximately 12–24 hours later), decorative plaster is applied. No foreign substances should be added to the prepared mixture.

Application Details:

For manual application, the product should be mixed with a low-speed drill (400–600 rpm) and approximately 8–10 liters of clean water for 3–4 minutes until a homogeneous consistency is achieved.

For machine application, the product should be mixed with approximately 8–10 liters of clean water and applied to the surface using a suitable plaster pump. Once the desired thickness is reached, the surface should be allowed to dry.

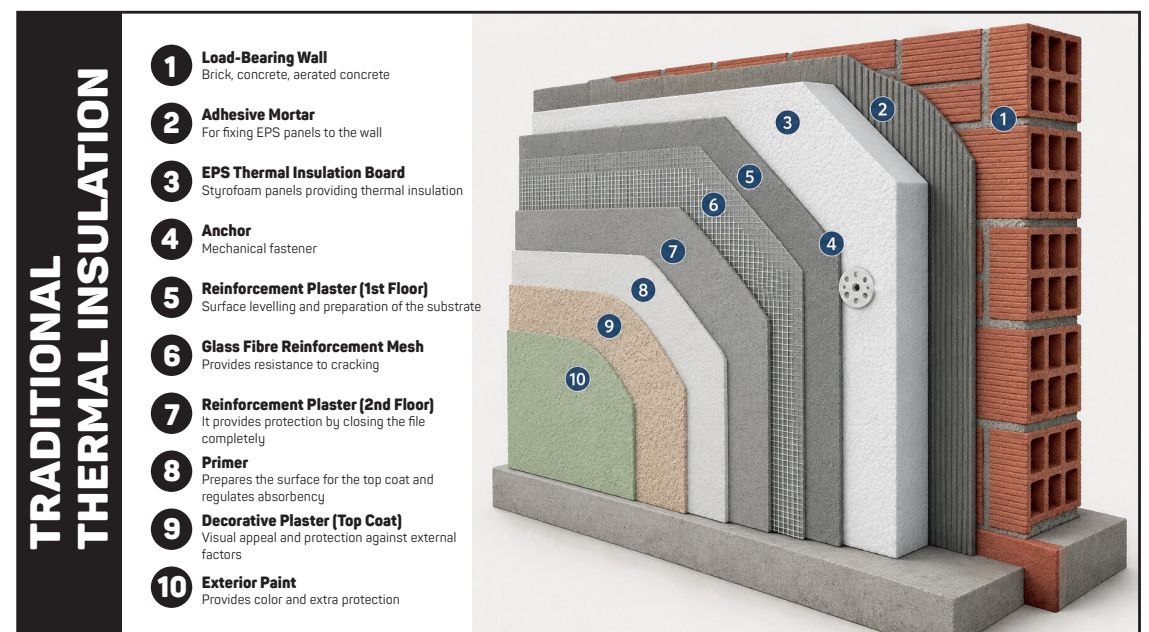
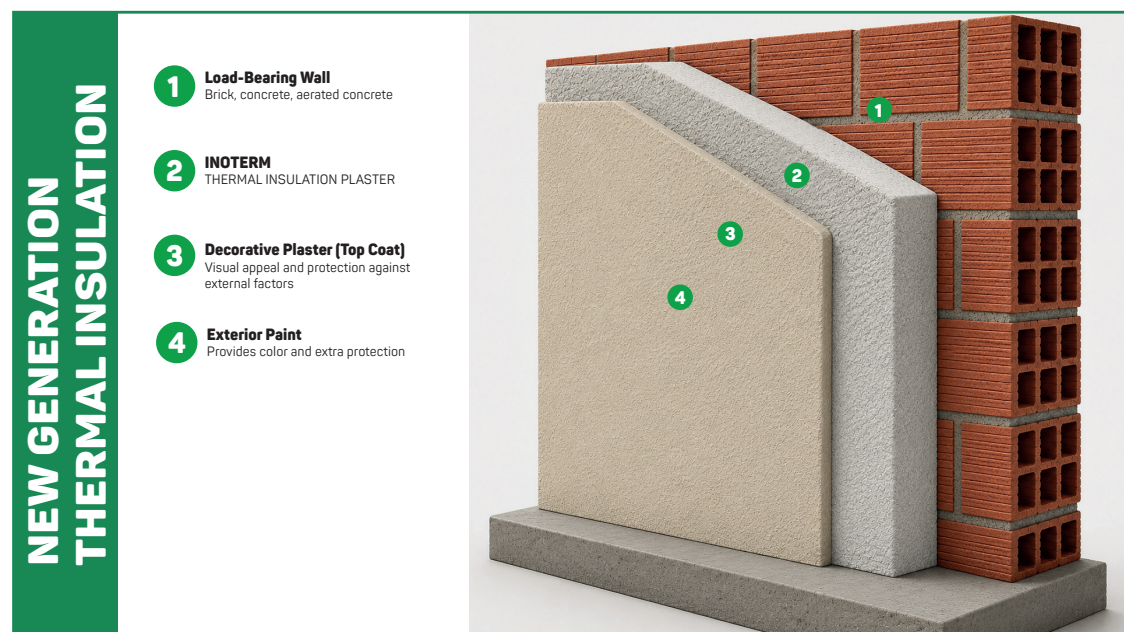
Application Requirements :

The surface and ambient temperature must be above +5 °C. At temperatures above +35 °C, excessive water loss should be considered; if necessary, the mixture should be prepared appropriately, and the surface should be kept moist for one day after the initial hardening is complete.

Important Considerations:

Application should

not be done in strong winds or on surfaces exposed to direct sunlight. Drying time is longer at low temperatures and may be shorter at high temperatures. Application should not be done on frozen, thawing, or newly frozen surfaces for at least 24 hours. It is recommended to use suitable plaster mesh at the junctions of different building materials and in areas where movement is possible.



■ HIGH-PERFORMANCE THERMAL INSULATION

Why Thermal Insulation?

Energy efficiency is one of the most important elements of sustainable construction and modern life. A properly designed and correctly implemented thermal insulation system improves the energy performance of buildings while significantly enhancing living comfort.

Thermal insulation helps reduce heat loss from the interior in winter and heat gain from the exterior in summer. This helps maintain a more balanced indoor temperature and reduces the energy needs of heating and cooling systems, thereby lowering operating costs.

In addition to energy savings, thermal insulation protects building elements from the adverse effects of external weather conditions. By contributing to the reduction of the risk of condensation, it helps prevent moisture-related problems and ensures that buildings maintain their performance for many years.

A comprehensive insulation system, applied from foundation to roof, contributes to increased energy efficiency, more efficient use of natural resources, and reduction of carbon emissions, thus supporting a sustainable building approach.

Given the rising energy costs and environmental responsibilities today, thermal insulation is not only an economic investment but also a crucial requirement in terms of building safety, occupant comfort, and environmental sustainability.

With INOTERM

Higher energy efficiency

Lower heating and cooling costs.

More comfortable interiors

Longer-lasting structures

Environmentally friendly and sustainable solutions

INOTERM: Warm in Winter, Cool in Summer... Comfort in Every Season.



■ ACOUSTIC COMFORT AND VAPOR PERMEABLE STRUCTURE

» Acoustic Comfort

INOTERM's unique mineral structure and porous texture contribute to the acoustic performance of building elements, helping to create quieter and more comfortable living spaces.

Acoustic comfort is one of the important building performance criteria that enhances user comfort in residences, offices, educational institutions, healthcare facilities, and social living spaces.

» Vapor Permeable Structure

Thanks to its high water vapor permeability, INOTERM helps maintain the natural moisture balance of building elements. With proper application, it helps reduce the risk of condensation and supports the long-lasting performance of the building envelope.

Suitable for both new constructions and renovation projects, INOTERM offers a reliable solution to the needs of modern buildings by combining energy efficiency, acoustic comfort, and structural durability in a single system.

Advantages of Vapor Permeable Structures

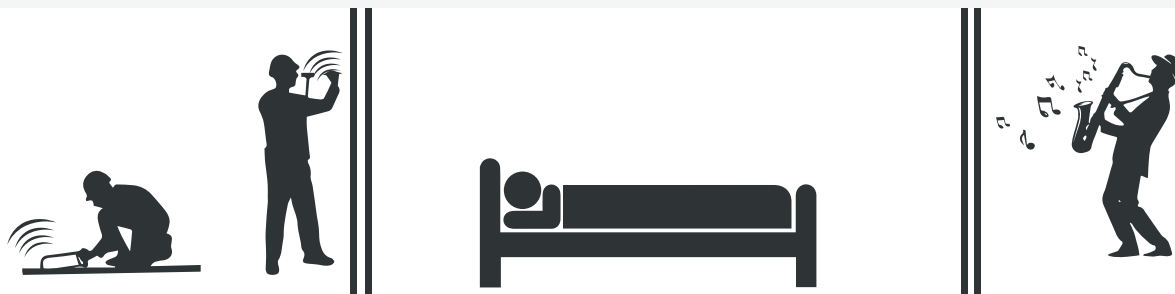
It helps maintain the natural moisture balance of building elements.

It helps reduce the risk of condensation.

It helps to increase indoor comfort.

It contributes to the long-term performance of structural elements.

It enhances building envelope performance, supporting energy efficiency.



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■ NATURAL INDOOR COMFORT

INOTHERM offers high thermal insulation performance at application thicknesses starting from 20 mm thanks to its monolithic structure and low thermal conductivity.

NATURAL INDOOR COMFORT

Indoor comfort is determined by considering temperature, relative humidity, air movement, and indoor air quality together. High-performance building materials contribute to a more balanced environment for these conditions, supporting user comfort in living and working spaces.

INOTHERM's vapor-permeable structure supports moisture transfer through building elements and contributes to the long-lasting performance of the building envelope. However, adequate and proper ventilation is always important for healthy indoor air quality.

THERMAL COMFORT

Thermal comfort is achieved by maintaining a balance between the indoor temperature and the surface temperatures of building elements such as walls, ceilings, and floors.

INOTHERM contributes to improving the energy performance of the building envelope thanks to its low thermal conductivity. When used with the correct application thickness and appropriate building details, it helps create more stable indoor temperatures throughout the year.

Thanks to its high-performance insulation properties, it increases energy efficiency while contributing to the creation of a more comfortable and sustainable indoor environment in living spaces.





It will bring **peace to your home**, summer and winter !

Comfortable, Healthy and Sustainable Buildings

Improving the energy efficiency of buildings significantly contributes to reducing energy consumption and associated carbon emissions. Inoterm Thermal Insulation Plaster helps reduce the energy required for heating and cooling by minimizing heat loss through the building envelope. This contributes to lower operating costs, higher living comfort, and more sustainable buildings.

In buildings insulated with inoterm, the indoor temperature is maintained more evenly throughout the year. By reducing heat loss from the interior in winter and the penetration of external heat in summer, more comfortable living spaces are created.



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