



NANOTERM

LINE



GUARANTEED THERMAL EFFICIENCY



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Colore che protegge, Energia che risparmia

Esperia S.r.l. is a cutting-edge company specializing in the production of heat-reflecting paints and pastes, designed to meet energy efficiency and sustainability needs.

With a strong commitment to innovation, Esperia offers advanced solutions that combine performance, durability, and respect for the environment.



Esperia S.r.l. is using the most modern technologies, the products reflect solar heat, reducing heat buildup in buildings and improving thermal comfort.

This translates into lower energy costs, contributing to energy savings and a lower environmental impact.



The Nanoterm product line is ideal for any type of surface, whether residential, commercial, or industrial, offering customized solutions for every need. Furthermore, ease of application ensures quick installation and therefore faster completion of the project.

Nanoterm products offer performance not only in summer but also in difficult weather conditions.

In ESEPRIA - The Quality comes first: each product is made with select raw materials and tested to ensure long-lasting results.

We are proud to contribute to the future by offering solutions that not only improve the energy efficiency of buildings but also promote the well-being of people and the comfort of our global community.



ESPERIA is the ideal choice for those who wish to invest in innovative, safe and sustainable products.

The NANOTERM Line is an innovative solution to protect your home.

Facing hot summers or harsh winters by protecting and improving your home's thermal performance through major structural work will no longer be necessary. The Nanoterm product line, thanks to its heat-reflecting properties, represents a revolutionary solution for addressing the specific problems of wall surfaces, offering concrete and measurable benefits, as well as slowing down their aging.

The principle behind the operation of this heat-reflecting line is based on its ability to act on heat, which, rather than passing through the walls, is reflected before it can pass through.



This is why these latest generation products are not normal insulators, which prevent the passage of heat, but rather repel it towards its source, with notable advantages:

- Reduction of surface temperatures;
 - Less surface cracking;
 - Slowing down the aging of finishes;
 - Elimination of bacteria, mold and lichen;
- Reduction of the thermal excursion of the supports;
- Increased moisture diffusion capacity of the building.

All these advantages translate into an improvement in the living and thermal comfort of buildings.

Thermal Bridges in Buildings: Problems and Solutions

Thermal bridges are a common problem in building construction, causing heat loss, increased energy consumption, and internal discomfort.

They occur when there is a gap in the insulation material, allowing heat to more easily pass through structural elements such as walls, floors, and pillars.

Thermal bridges can also cause condensation and mold, compromising the health of occupants and the integrity of the building.



NANOTHERM Products: The Cutting Edge of Thermal Insulation

Nanoterm products are designed to eliminate thermal bridges, creating a continuous and uniform insulating barrier.

Thanks to their advanced composition, these products guarantee high thermal resistance and effective protection against condensation and Mold.

The application of Nanoterm thermal paints on interior and exterior surfaces significantly improves living comfort and reduces energy costs.



Mold Prevention

All Nanoterm products are ideal for combating Mold growth caused by thermal bridges.

Thanks to their heat-reflecting properties, these products drastically reduce temperature differences on surfaces, thus minimizing condensation.

Furthermore, the breathable characteristics of all Nanoterm products facilitate the outflow of water vapor.

Condensation is the main cause of Mold and mildew growth, which is why Esperia has created a specific line to offer its customers dry and healthy environments, ensuring greater living comfort and protecting walls from long-term structural damage.

A photograph of a modern two-story house with a light-colored facade and a dark grey roof. The house features a covered porch supported by several columns. A large blue arrow with a black outline points from the left side of the image towards the text. The background shows a clear blue sky and some greenery.

Nanoterm
Esperia Ceramic



$$\lambda_{eq} = 0,0023$$

Nanoterm - Esperia Ceramic

Nanoterm Esperia Ceramic is an innovative, low-thickness, 7 mm heat-reflecting plaster designed to ensure excellent thermal performance and optimize living comfort. With a lambda equivalent of 0.0023, it offers extraordinary heat reflection, significantly contributing to energy savings and improved thermal efficiency.

Main Features:



- λ_{eq} : 0,0023;

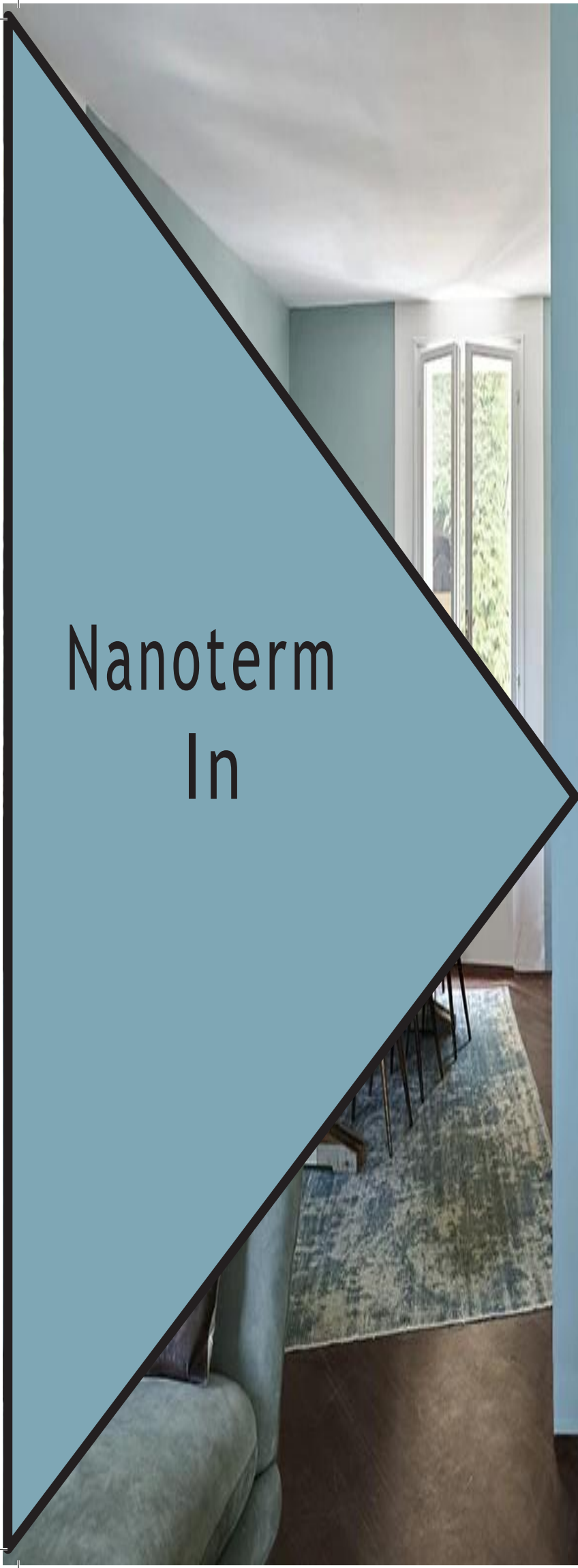
- Thickness: 7 mm;

- Special additives: Biocides and anti-mold to ensure protection and durability.

Thanks to its advanced composition, Nanoterm Esperia Ceramic is enriched with biocides and anti-mold properties, which increase its durability, preventing the formation of mold and bacteria, and keeping surfaces healthy and protected over time.



Nanoterm
In





R=0,64

Nanoterm - In

Nanoterm In is the ideal solution for improving the energy efficiency of indoor environments, maintaining high thermal comfort year-round.

Thanks to its thermal resistance of 0.64, it offers optimal insulation, reducing heat transfer and helping maintain a stable indoor temperature. Its reflective capacity (RSI), certified at 90%, reflects external heat, reducing heating needs and improving energy savings.

Main Features:

- Thermal resistance: 0,64;
- Reflective capacity (RSI): 90% certificate;
- Customizable pigmentation: Wide range of heat-reflecting colors;
- Special additives: Biocides and anti-mold to ensure protection and durability.

Nanoterm In is not only a heat-reflecting paint, but also an ally against mold growth, thanks to special additives that prevent the proliferation of harmful microorganisms. Its unique formula with biocides increases its resistance over time, ensuring healthy and protected walls.



Nanoterm
Riflessi di Marmo





R=0,64

Nanoterm - Riflessi di Marmo

Nanoterm Riflessi di Marmo is an innovative heat-reflecting finish enriched with premium marble aggregates, ideal for finishing walls without the need for primer fillers.

Thanks to its advanced formula, this product creates a durable surface with excellent heat reflection.

Main Features:

- Thermal resistance: 0,64;
- Customizable pigmentation: Wide range of heat-reflecting colors;
- Special additives: Biocides and anti-mold to ensure protection and durability.

Nanoterm Riflessi di Marmo is not only a heat-reflecting paint, but also an ally against mold and bacteria, thanks to special additives that prevent the proliferation of harmful microorganisms. Its unique formula with biocides increases its resistance over time, ensuring healthy and protected walls with a designer aesthetic.



A photograph of a modern, two-story house with a light beige facade and dark grey roof. The house features a balcony on the second floor with a white metal railing. A set of concrete stairs with a white metal railing leads to the ground floor entrance. A potted plant is visible near the entrance. The sky is blue with light clouds. A large grey arrow-shaped graphic is overlaid on the left side of the image, pointing towards the house.

Nanoterm Out



R=0,36

Nanoterm - Out

Nanoterm Out is an innovative, high-performance paint designed to optimize the energy efficiency of buildings. Thanks to its certified 104% reflective capacity (RSI), this paint actively helps maintain a stable interior temperature, even on the hottest days, reducing the need for air conditioning.

Main Features:

- Thermal resistance 0,36;
- Reflective capacity (RSI): 104% certificate;
- Customizable pigmentation: Wide range of heat-reflecting colors;
- Special additives: Biocides and anti-mold for long-lasting protection;
- Suitable for outdoor use: Ideal for surfaces exposed to atmospheric agents.

Nanoterm Out not only optimizes thermal comfort, but also guarantees effective protection against mold and humidity, thanks to special anti-mold and biocide additives, which improve its durability over time.



A photograph of a red building facade with a large red arrow pointing to the right, containing the text 'Nanoterm Cover'. The building has a textured red finish, white window frames, and a black downspout. The sky is blue with some clouds.

Nanoterm Cover



R=0,99

Nanoterm - Cover

Nanoterm Cover is a next-generation heat-reflecting plaster, ideal for improving the energy efficiency of exterior surfaces. Its thermal resistance of 0.99 ensures superior insulation, significantly reducing heat transfer and helping keep the environment cooler in the summer and warmer in the winter. Its certified reflective capacity (RSI) of 90% promotes heat reflection, lowering the external temperature and improving overall energy efficiency.

Main Features:

- Thermal resistance: 0,99;
- Reflective Capacity (RSI): 90% certificate;
- Customizable pigmentation: Wide range of heat-reflecting colors;
- Special additives: Biocides and anti-mold to ensure protection and durability.

Nanoterm Cover offers excellent protection against mould formation, thanks to specific additives that improve its durability and make the surface more resistant and long-lasting.





Nanoterm
Cool Roof



SRI > 105%

Nanoterm - Cool Roof

Nanoterm Cool Roof is an innovative heat-reflective solution designed to reflect solar radiation and reduce heat absorption. Ideal for industrial, commercial, and residential roofs.

With a 105% reflectivity, Nanoterm Cool Roof significantly improves the energy efficiency of buildings by reducing surface temperatures.

Main Features:

- SRI > 105%;
- Photocatalytic;
- Special additives: Biocides and anti-mold to ensure protection and durability.

Nanoterm Cool Roof offers excellent insulation properties, protecting buildings from temperature changes and optimizing comfort in all seasons. Furthermore, it is walkable, durable, and designed to withstand waterlogging, thanks to its water-repellent properties. Nanoterm Cool Roof is also self-cleaning, reducing maintenance requirements and maintaining its effectiveness over time.





Nanoterm
IsolFlex



Nanoterm - IsolFlex

Nanoterm IsolFlex is a next-generation heat-reflective waterproofing membrane designed to improve the insulation of swimming pools, ornamental ponds, and wells not subject to negative buoyancy. With a 105% reflectivity, Nanoterm IsolFlex effectively reflects solar rays, reducing heat absorption and keeping exposed surfaces cool, thus reducing energy consumption for cooling.

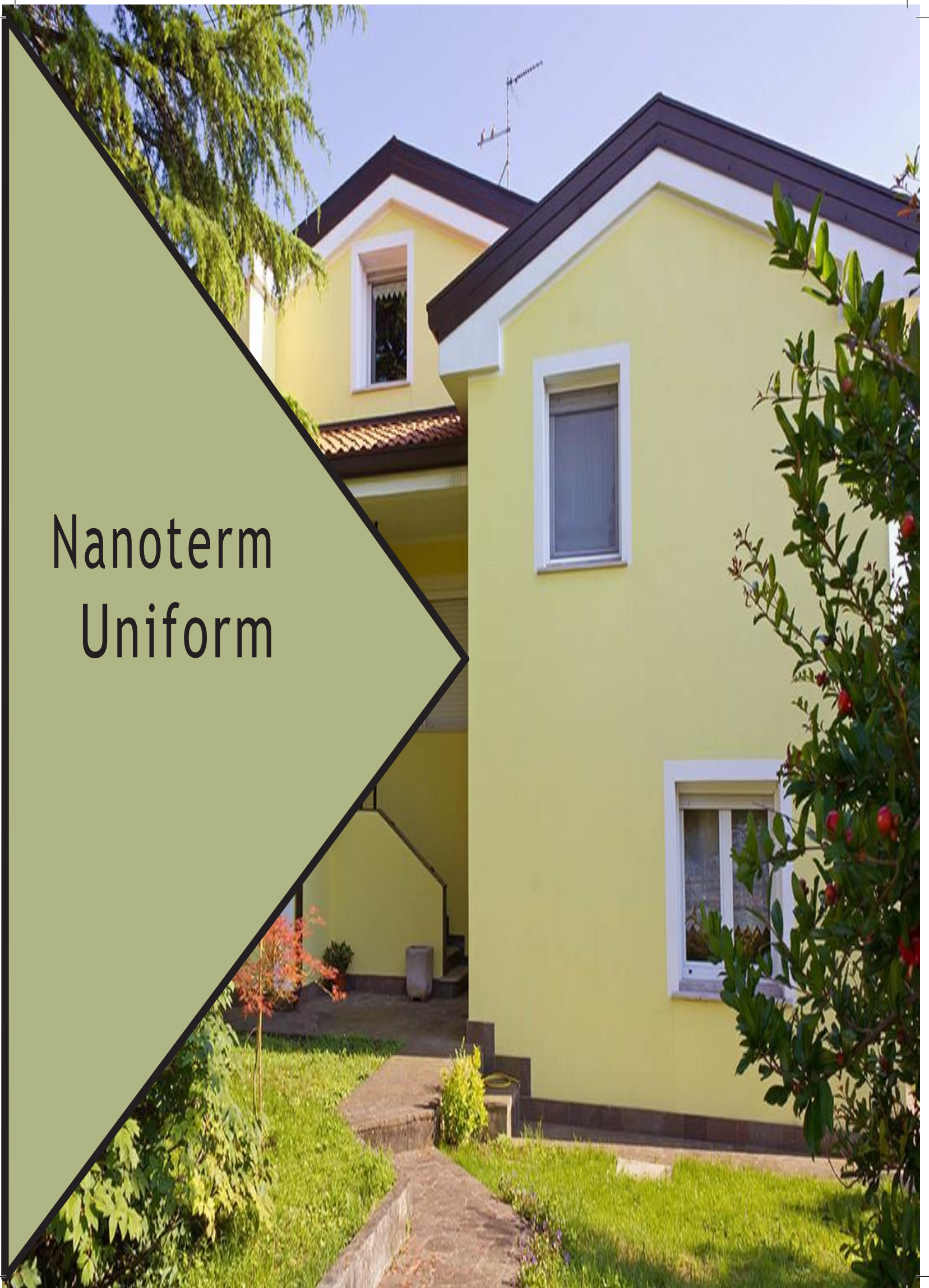
Main Features:

- SRI 105%;
- Photocatalytic;
- Special additives: Biocides and anti-mold to ensure protection and durability.

Nanoterm IsolFlex offers excellent insulation properties, protecting surfaces from temperature changes and optimizing comfort in every season. Furthermore, it is walkable, UV resistant and offers excellent adhesion to multiple substrates.



Nanoterm
Uniform





R=0,36

Nanoterm - Uniform

Nanoterm Uniform is a high-quality heat-reflecting primer designed to prepare surfaces and optimize the adhesion of the final finish.

With a thermal resistance of 0.36, Nanoterm Uniform improves energy efficiency by creating a base that regulates the surface's absorbency and ensures uniform heat distribution. This primer is ideal for uniforming surfaces, ensuring perfect adhesion of heat-reflecting finishing materials.


Main Features:

- Thermal Resistance: 0,36;
- Special additives: Biocides and anti-mold to ensure protection and durability.

Thanks to special additives such as biocides and anti-mold properties, Nanoterm Uniform protects surfaces from mold and moisture, maintaining a healthy environment and improving air quality.

Its advanced formulation makes it perfect for any type of surface, offering high performance and long-lasting protection.





Nanoterm Compact



R=0,36

Nanoterm - Compact

Nanoterm Compact is an innovative heat-reflecting primer, designed to solve the problem of surface micro-cracks (up to 1 mm), creating a smooth and uniform surface for the final finish. With a thermal resistance of 0.36, Nanoterm Compact improves energy efficiency by reflecting heat and reducing consumption.

Main Features:

- Thermal Resistance: 0,36;
- Compensation for Cracks: Max 1 mm
- Special additives: Biocides and anti-mold to ensure protection and durability.

Thanks to its ability to compensate for micro-cracks, this product ensures perfect adhesion of the subsequent finish, regulating absorbency for a uniform and long-lasting result.

Enriched with biocides and anti-mold properties, it protects surfaces from mold and humidity, keeping environments healthy and resistant over time.





Nanoterm
Primer



Nanoterm - Primer


Nanoterm Primer is an innovative primer designed to optimize the application of skim coats, paints, or other coatings on various types of surfaces. Thanks to its heat-reflecting formula, Nanoterm Primer not only regulates the absorbency of the substrate, but also helps improve the energy efficiency of rooms by reflecting part of the heat energy.

Main Features:

- Absorbency regulator;
- Heat-reflective;
- Special additives: Biocides and anti-mold to ensure protection and durability.

Suitable for mineral, cement and wooden surfaces in the Primer W version, Nanoterm Primer creates an excellent adhesion base, ensuring perfect adhesion of subsequent applications of fillers or paints.



A photograph of a wall corner showing extensive mold growth. The mold is dark and fuzzy, covering a large portion of the wall and ceiling. A large white arrow with a black outline points from the left towards the mold. The text 'Nanoterm Anti-Mold' is written inside the arrow.

Nanoterm
Anti-Mold



Nanoterm - Anti-Mold

Nanoterm Anti-Mold is the definitive treatment for protecting surfaces from mold, fungi, algae, and bacteria. Thanks to its advanced formulation, which combines fungicidal, anti-algae, and bactericidal properties, Nanoterm Anti-Mold works deeply to eliminate and prevent mold growth, while also improving the healthiness of the environment.

Main Features:

- Anti-Mold;
- Anti-Algae;
- Long-lasting protection.

Suitable for mineral and cement surfaces, it is the ideal solution for those seeking a healthier and more protected environment, with long-lasting protection against pathogens.





NANOTERM COVER



NANOTERM OUT



NANOTERM UNIFORM



NANOTERM COMPACT



NANOTERM ISOLFLEX



NANOTERM ESPERIA CERAMIC



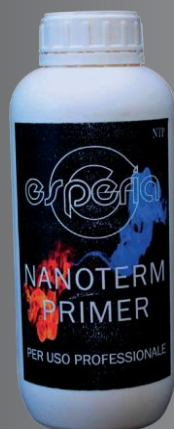
NANOTERM COOL ROOF



NANOTERM IN



NANOTERM RIFLESSI DI MARMO



NANOTERM PRIMER



NANOTERM ANTIMUFFA



TRANSPORT AND VEHICLES

In projects involving air, land, sea and rail transport, Nanoterm proves to be an effective ally in optimising energy consumption and protecting loads during transport.

INDUSTRIES

Nanoterm also represents an ideal solution for industries, helping to improve energy efficiency with a reduction in operating costs.



AGRICULTURE

Nanoterm also offers significant advantages for agricultural companies, improving the energy efficiency of stables, greenhouses and warehouses, maintaining optimal temperatures for animal welfare and the conservation of agricultural products.

Concept Design: Gomiero Nicolas
Copyright foto: Esperia S.r.l.

The logo for 'esperia' is rendered in a white, stylized, outlined font. The letters are interconnected, with the 'e' and 's' being particularly fluid. The word is enclosed within a thin white circular outline that has a small arrowhead pointing to the right at the top right, suggesting a continuous or circular path.

esperia

A horizontal, wavy graphic element consisting of a bright orange and yellow flame on the left side that transitions into a blue, ethereal smoke or vapor on the right side. The colors are vibrant against the black background.

GUARANTEED
THERMAL EFFICENCY

IONUT MAIMESCU
GM

www.esperiasrl.it
ionut.maimescu@esperiasrl.it
Tel. +39 335 719 7449