

High-performance thermal insulation

INSULATORS THAT ARE NOT AFRAID OF FLAMES

*Mineral-based products with
fire reaction to fire class A₁*





Building in Via Carlo Alberto
- Turin - Energy efficiency
intervention with application of
the RasoThermo + Reflex-out
cycle.



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THERMO - VAC 124



Energy efficiency intervention
with application of the
RasoThermo cycle.





HERES is an artisan company, established in 1995 for the production of cocchiopesto and derivative mixtures, initially targeting conservation restoration operators, has an in-house workshop with the aim of reproducing historical mixtures from samples;

HERES presents a full range of premium products to complete the quest for high aesthetic building construction with innovative and safe solutions for those who adopt them:

- bedding mortars, face-facing mortars, mortars for structural improvement
- plasters (lime- and/or earthenware-based);
- dehumidifying plasters for repairing structures degraded by moisture;
- insulating thermo-plaster for improving thermal insulation, (with Italian patent no. 102015000057679);
- continuous surface floorings such as Pastellone and Terrazzo;
- finishes (marmorini, Venetian stucco, etc.); lime and earthenware paints;
- Heat-reflecting paints;
- raw materials such as Cocchiopesto, sands and NHL lime binders;
- lime waterproofers;
- coatings and finishes for wellness, SPAs and wellness centres;
- natural and nanotech waterproofing and protective coatings;



www.heresitalia.com



HERES mixtures are completely environmentally friendly, highly breathable and of excellent performance and durability.

We use natural components, excluding binders containing hexavalent chromium.

We colour the finishing mixtures with micronised cocchiopesto powders and the paints with the aid of coloured earths, which enhance their value, chromatic beauty and living comfort.

THERMAL INSULATION

Thermal renovation is aimed at improving the habitability and energy performance of buildings. The use of high-performance thermal insulation materials makes it possible to effectively intervene on masonry with uneven and discontinuous surfaces, on walls that are characterised by poor insulation, and in all situations that require greater insulation.

Renovation work carried out with suitable thermal insulation materials avoids damage caused by condensation and humidity, while maintaining the breathability of surfaces and the natural hygrometric balance of the existing masonry.

Heres has developed a range of thermal insulation materials consisting of low thickness plasters and levelling compounds that allow a complete renovation cycle to be carried out. The products are characterised by the use of high quality natural raw materials and solutions that exploit microtechnologies to achieve superior results.

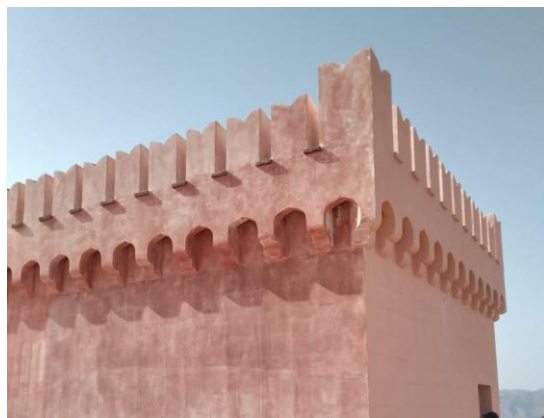




Utveggio Castle - Energy efficiency intervention with application of the RasoThermo + Reflex-out cycle.

01.

THERMAL ADJUSTMENT in low thickness



RasoThermo ®

(Articolo H-55 Pv)

DESCRIPTION: Anticondensation Thermal Smoothing Agent, hydraulic fibre-reinforced, based on NHL lime, hydrated lime, earthenware, hollow glass microspheres and natural resins. Specifically designed to improve thermal insulation in internal/external walls and ceilings, insulation of thermal bridges on traditional plaster, pillars, old discontinuous masonry, door and window frames, on cellular blocks, natural or synthetic thermal insulation panels.

PROPERTIES AND FUNCTIONALITY: The **RasoThermo** product combines thermo-insulating and thermo-reflecting performance with levelling properties, particularly suitable when there are irregularities and imperfections on the surfaces to be treated. The thickness applied, although extremely thin (5mm), is able to drastically reduce thermal dispersion by reducing the internal/external thermal imbalance. In addition, it makes the substrates particularly resistant to corrosion, prevents the formation of fungi and mould, and enables significant energy savings and a considerable improvement in the quality of life.

INTENDED USE: A biocompatible product aimed at saving energy in buildings, reducing condensation and the resulting mould, improving insulation and thermal bridges on traditional plaster, pillars, old discontinuous masonry, door and window frames, cellular blocks, thermal insulation panels in homes and commercial buildings, both internal and external (e.g. ceilings, balconies, projections, concrete structures, etc.).

Notes:
On request, hydrophobising additives can be added to RasoThermo Fino.



Price kg	€
Output	Fondo ca. 0,52 kg. per mq. sp. 1 mm Fino ca. 0,6 kg. per mq. ad una mano
Packaging	Fondo Palette da 32 sacchi da 20 kg. Fino Palette da 50 sacchi da 13 kg.
Hydrophobising	+ da 0,20 a 0,50 € netto al Kg



02.

TECHNICAL Thermal Rasante



RasoThermo-C

(Articolo H-55Pv-C)

DESCRIPTION: A mixture of white binder, hydrated lime, cocchiopesto, thermo-expanded aggregates, glass ceramic microspheres, specific minerals, reinforcing microfibres and natural resins.

PROPERTIES AND FUNCTIONALITY: The **RasoThermo-C** product combines heat-insulating and heat-reflecting performance with levelling properties, particularly suitable when there are irregularities and imperfections on the surfaces to be treated. The thickness applied, although extremely thin (5mm), is able to drastically reduce thermal dispersion by reducing the internal/external thermal overhang. Its composition makes RasoThermo-C a breathable, permeable and long-lasting protection that can be applied to any type of wall surface. The applied mixture does not absorb heat, lowering the thermal conductivity value. It also makes the substrates particularly resistant to corrosion, reduces the formation of fungi and mould, allows significant energy savings and considerably improves the quality of life.

INTENDED USE: A biocompatible product aimed at saving energy in buildings, reducing condensation and the resulting mould, improving insulation and thermal bridges on traditional plaster, pillars, old discontinuous masonry, door and window beams, cellular blocks, thermal insulation panels of houses and commercial buildings, both indoors and outdoors. To limit thermal bridges from pillars and beams, apply a 5/6 mm thickness of **RasoThermo-C** on all four sides, as well as to eliminate condensation problems.



Price kg	€
Output	Fondo ca. 0,55 kg/m ² x1 mm di spessore Fino ca. 0,6 kg. per mq. ad una mano
Packaging	Fondo Palette da 32 sacchi da 20 kg. Fino Palette da 50 sacchi da 13 kg.



03.

Thermo-Intensive THICKNESS Cycle



RINZAFFO

(Articolo RC-02)

DESCRIPTION: Cement-free mixture for interior and exterior renders that improve the adhesion of mortars to difficult plaster surfaces. Naturally pink in colour. Technically it is the starting layer for any application cycle. Ideal primer for lime-based plasters.

COMPOSITION: Mixture consisting of selected aggregates with a grain size curve of 0 to 3 mm, natural hydraulic lime, earthenware and superior quality compounds that improve its adhesion properties to the substrate.

INTENDED USE: In the plastering cycle, on brick or mixed substrates, as a first layer to even out the surface for flatness, roughness and absorbency. The use of rendering does not alter the natural breathability of masonry.



Price kg	€
Output	7 - 8 kg. mq.
Packaging	Sacchi da 30 kg. Palette da 45 sacchi

Thermo-P

(Articolo H-25)

DESCRIPTION: **Thermo-P** is a low specific weight mixture, specifically for making insulating civil plaster. **Thermo-P** combines thermal insulation with high breathability, regulation of internal condensation, and no acoustic reverberation.

COMPOSITION: Dry mix of earthenware, natural hydraulic lime, thermo-expanded aggregates, cork flour, pozzolan.

INTENDED USE: **Thermo-P** is ideal for the thermal renovation of historical buildings, whether old, new or recent, where there are walls with non-homogeneous, discontinuous surfaces or walls that need insulation with external/internal thermal insulation in order to limit or avoid condensation damage and to restore the natural moisture balance of the existing masonry. Excellent for substrates subject to rising damp.



Price kg	€
Otuput	ca. kg. 4,2 mq. x 1 cm. di spessore
Packaging	Palette da 40 sacchi Sacchi da 40 Lt ca. 18 kg

ThermoFino

(Articolo H-29)

DESCRIPTION: Fibre-reinforced hydraulic finish, based on NHL lime, hydrated lime, cocchiopesto, light expanded aggregates and natural resins; biocompatible product aimed at saving energy in buildings, reducing condensation and the resulting mould.

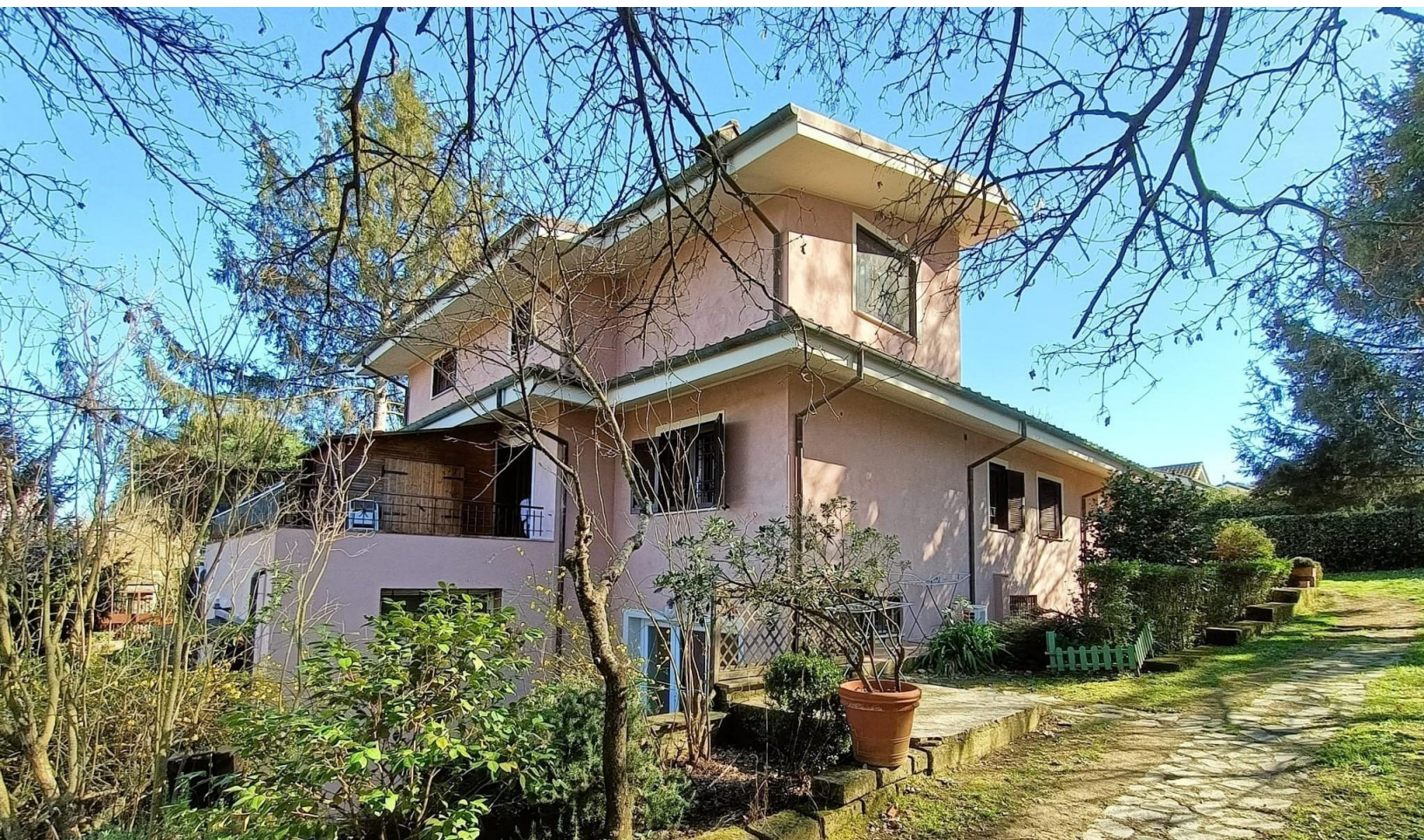
PROPERTIES AND FUNCTIONALITY: The insulating power of cellular glass microspheres, combined with that of earthenware, generates a large presence of air cells, a source of insulation while maintaining breathability and mass. The more air is enclosed in small spaces, the more its insulating power increases. The applied mixture does not absorb heat, lowering the thermal conductance value. Suitable for eliminating thermal bridges from pillars and beams.

INTENDED USE: Specific finishing product for thermal insulating mortars (based on perlite, cork, hemp, cellular glass, etc.); For improving insulation and thermal bridges on insulating plaster, traditional plaster, pillars, old discontinuous masonry, door and window frames, cellular blocks, thermal insulation panels.



Price kg	€
Output	ca. 1 kg. per mq. sp. 1 mm
Packaging	Sacchi da 20 kg.





Villa in Sacrofano (RM).

External coating HEAT-REFLECTIVE (Tonachini)



UNIFORMANT-R

(Articolo H-UR)

DESCRIPTION: **Heat-reflecting Uniforming Primer**, filler based on acryl-siloxane resins, silicon micro and nanosphere aggregates It consolidates and evens out the absorption of substrates, providing a first coat with a filling effect and improving the energy efficiency of the building. It offers excellent UV resistance, elastic behaviour, significant reduction in thermal conductivity, reflection of thermal radiation (infrared).

PROPERTIES AND FUNCTIONALITY: It consolidates, evens out and regulates the absorption of substrates, providing a first coat with a filling effect, creating the suitable adhesion bridge for the laying of finishes, in particular the **Termocover cycle**, improving the overall thermal resistance performance, it contains special nano- and micro-sized heat-insulating ingredients that contribute to energy saving. Just as it prevents thermal bridges, so it minimises moisture condensation and the appearance of mould.

INTENDED USE: As a primer prior to subsequent painting or mineral tinting on interior/exterior masonry or plasterboard walls and ceilings, even those already painted, specifically for preparing the walls for the subsequent installation of Termocover Termoriforifluente.



Price Litre	€
Output	6/8 m ² con 1 litro
Packaging	Secchi da 10 lt.



TERMOCOVER

(Articolo TR-5)

DESCRIPTION: **Termocover** is a UV heat-reflecting, fibre-reinforced, low-build, plaster-effect finish with various grain sizes. It consists of organic binders and additives in water dispersion, nano-sized special fillers, lightfast and UV-resistant coloured pigments, and controlled and selected mineral fillers.

PROPERTIES AND FUNCTIONALITY: The siloxane component gives the product high water vapour permeability but low water absorption. Excellent resistance to alkalis, weathering and low dirt retention. Additivated with a special blend of controlled-release active ingredients that protect the substrate against fungal and algal growth.

INTENDED USE: **Termocover** is easily applied as a decorative finish on plastered substrates or on cladding panels, forming a protective coating with infrared heat wave reflection properties and excellent performance characteristics to improve thermal comfort in buildings.



Price kg	€
	Grana 1,0
	Grana 1,2
	Grana 1,5
Output	Consumo per in una mano ca. 1.051 kg. per m ² ca. 1,3 kg. per m ² ca. 1,6 kg. per m ²
Packaging	Secchi da 15 kg.





Borgo Pio, Rome.

THERMO-REFLECTIVE Paints (Acrisiloxane or Silicate)



QUARTZ PRIMER

(Articolo C-FU1)

DESCRIPTION: Filler uniforming primer based on acrylic-siloxane resins, quartz aggregates, glass ceramic microspheres. It consolidates and evens out the absorption of substrates, providing a first coat of coverage. Pigmentable with Heres Tintometric System.

PROPERTIES AND FUNCTIONALITY: It consolidates, evens out and regulates the absorption of substrates, providing a first coat with a filling effect, creating the suitable adhesion bridge for the application of finishes, especially the Reflex cycle, improving the overall thermal resistance performance; It contains special nano- and micro-sized heat-insulating ingredients that contribute to energy saving. The thermo-reflective particles reduce heat conduction, reflect thermal radiation and create a barrier against moisture that results in significant energy savings such as limiting thermal bridges, thus minimising moisture condensation and the appearance of mould.

INTENDED USE: Interior/exterior masonry or plasterboard walls and ceilings, already painted or to be painted, for preparing the walls for the subsequent installation of Reflex In or Reflex Out finishes.



Price Litre	€
Output	8 m ² con 1 litro
Packaging	Secchi da 10 lt.

Tourist accommodation in Caorle, Venice



REFLEX - In

(Articolo CL50 IN)

DESCRIPTION: Silicate paint with THERMORFLECTING properties for interior use. Composed of heat-insulating nanoparticles that reduce heat conduction and reflect thermal radiation, resulting in significant energy savings. Suitable for application on surfaces exposed to radiation for protection and reduction of micro-cracks caused by thermal excursion and expansion. Natural WHITE colour.

COMPOSITION: Water, pure calcium carbonate, thermosetting resins, nano-silicon reflectors, ceramic microspheres.

INTENDED USE: As a finish paint on interior and exterior facings.

Notes:
Anti-bacterial additives can be added on request.



Price Litre	€ €
Output	1 litro per 4/4,5 m ²
Packaging	Secchi da 10 lt. Secchi da 2,5 lt.

REFLEX - Out

(Articolo CL50 OUT)

DESCRIPTION: Silicate paint with THERMORIFLECTING properties for exteriors. Composed of heat-insulating nanoparticles that reduce heat conduction and reflect thermal radiation, resulting in significant energy savings. Suitable for application on surfaces exposed to radiation for the protection and reduction of micro-cracks caused by thermal excursion and expansion. Natural WHITE colour.

COMPOSITION: Water, pure calcium carbonate, thermosetting resins, nano-silicon reflectors, ceramic microspheres.

INTENDED USE: As a finish paint on interior and exterior facings.

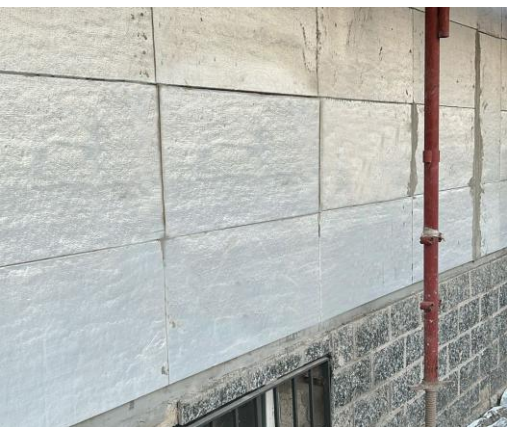


Price Litre	€ €
Output	1 litro per 4/4,5 m ²
Packaging	Secchi da 10 lt. Secchi da 2,5 lt.



House in Noale (VE).

UNDERCOAT cladding



Thermo - VAC 1

DESCRIZIONE: The Thermo-VAC vacuum insulation board is the best performing solution in the world of thermal insulation boards. Material composition: glass fibre with aerogel. Developed for aeronautical use, it is a technologically advanced material with very high insulating capacity, offering highly innovative contents allowing design applications in building and industry.

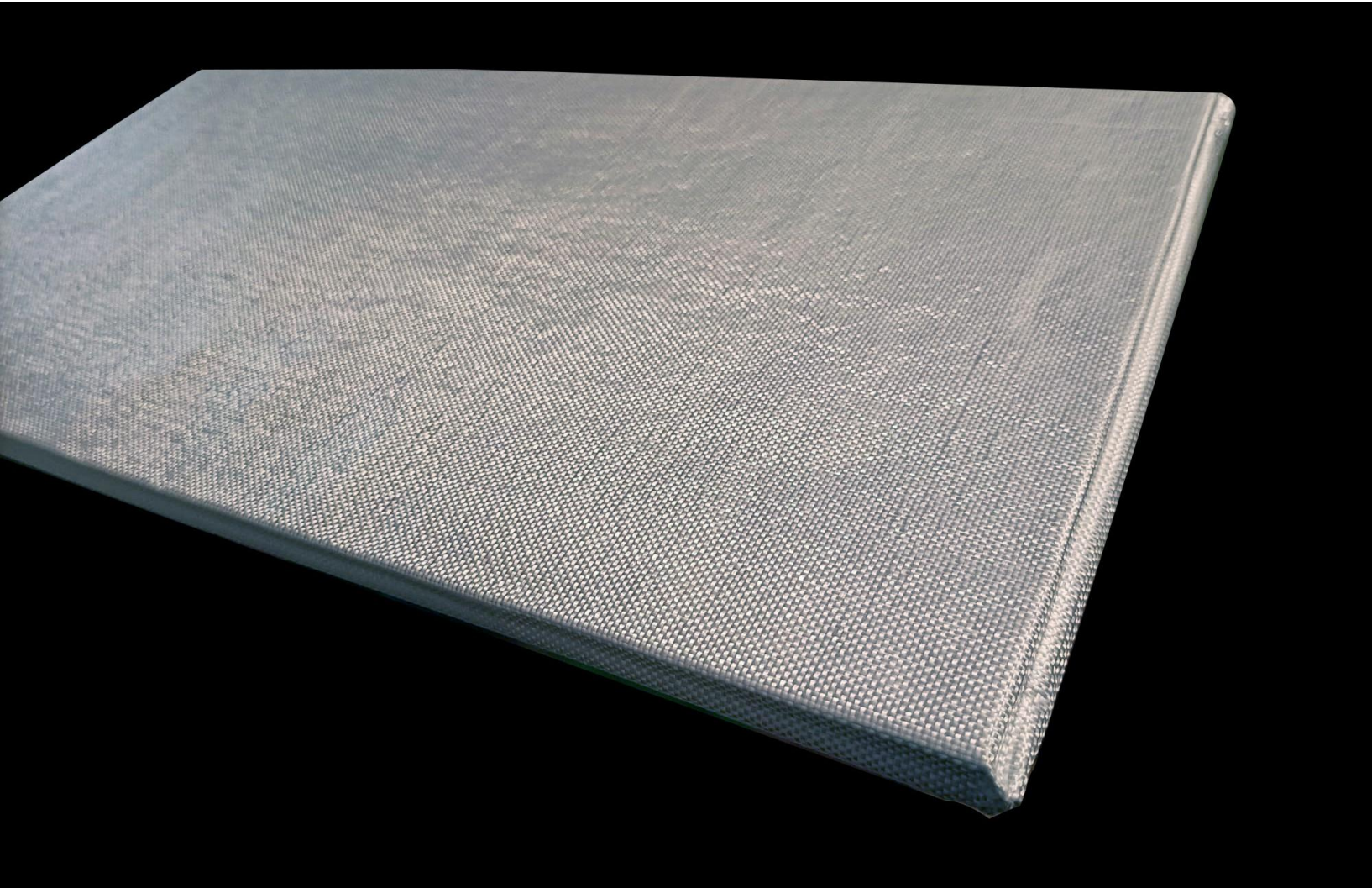
Use: vertical wall (prepared) or underfloor.

Available sizes: 40x80 / 40x40 / 40x20.

Available thicknesses: 1 cm / 1.5 cm



Price mq	Pannello da 1 cm di spessore Prezzo su richiesta
	Pannello da 1,5 cm di spessore Prezzo su richiesta





Condominium in Biella (BI)
Energy efficiency intervention with
application of the RasoThermo +
Termocover cycle.



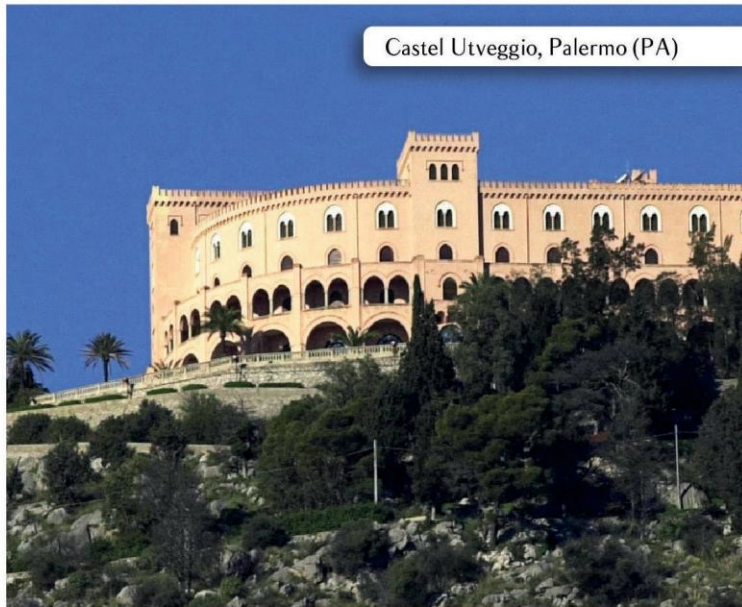
RICERCA E CURIOSITÀ

Chiesa della Madonna della Salute, Venezia (VE)

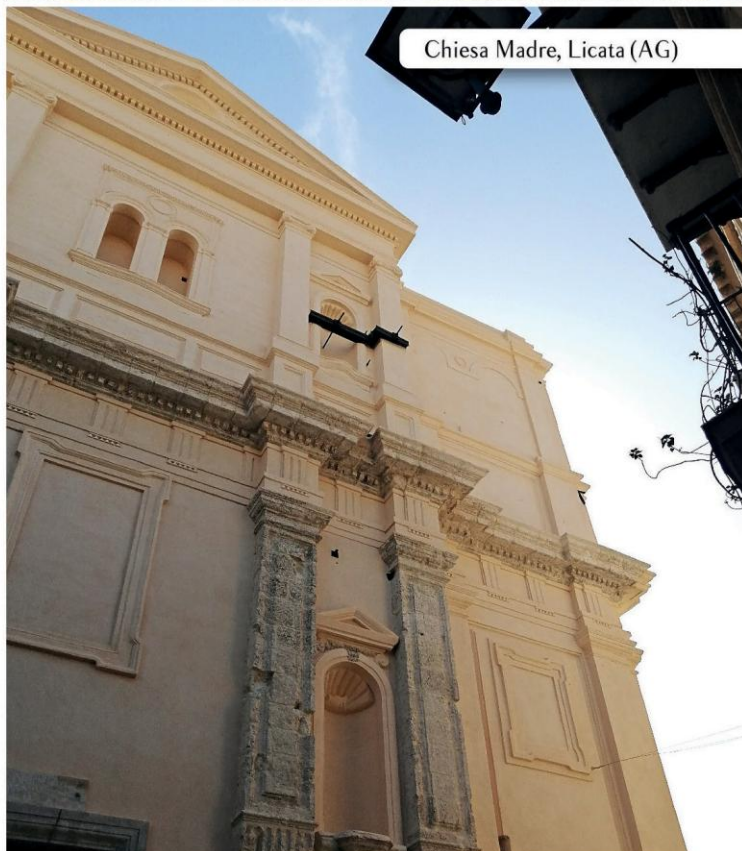




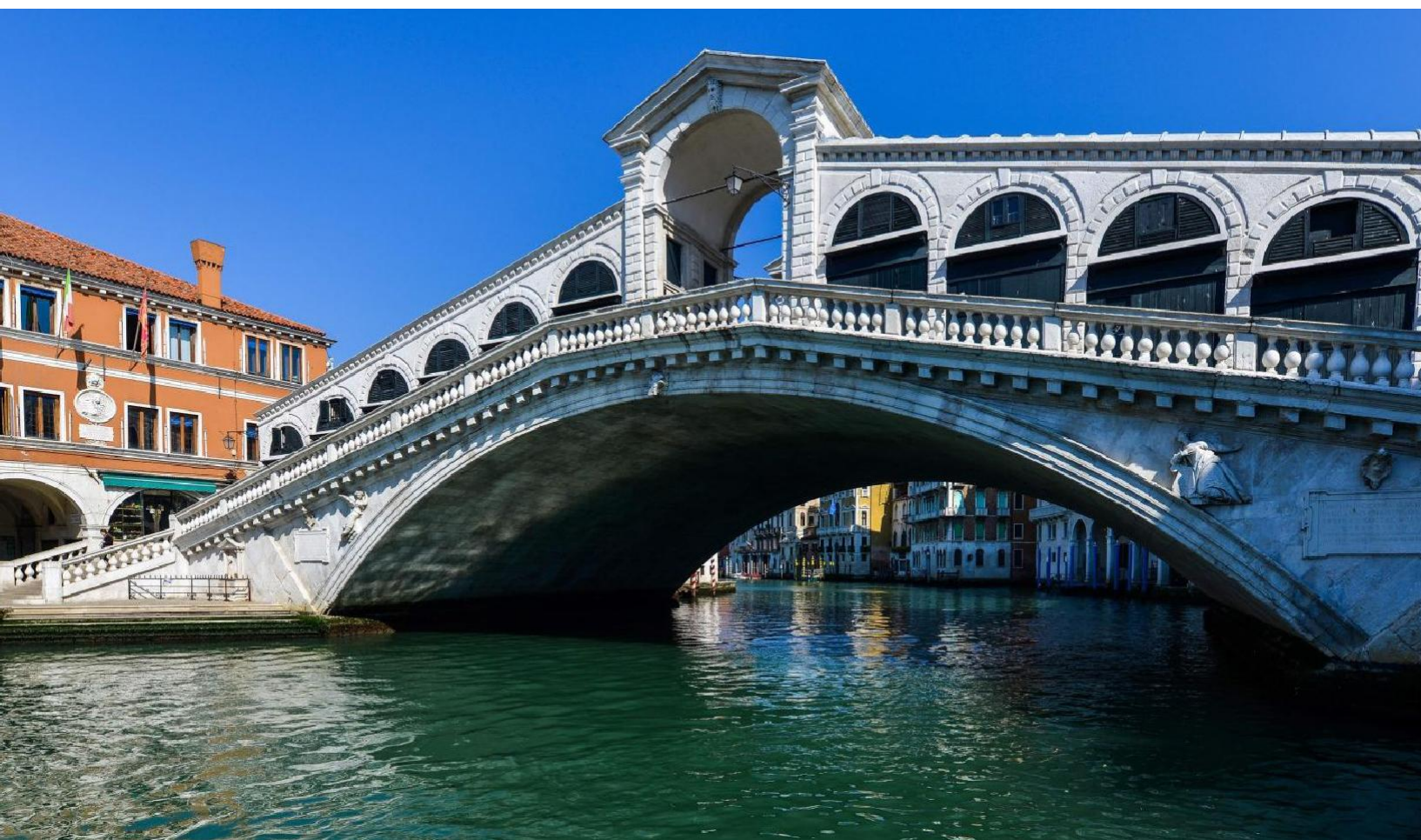
Ex Chiesa San Teonisto, Treviso (TV)



Castel Utveggio, Palermo (PA)



Chiesa Madre, Licata (AG)



Rialto Bridge, Venice, latest restoration 2016-2017
carried out using Heres mixtures and products.

Concept e Design: Giulia Mantova
Copyright foto: Heres Srl

HERES SRL

www.heresitalia.com

ionut.maimescu@heresitalia.com

T. +39 335 719 7449

SEDE E STABILIMENTO

Vicolo E. Mattei, 10

31055 Quinto di Treviso (TV), Italia

