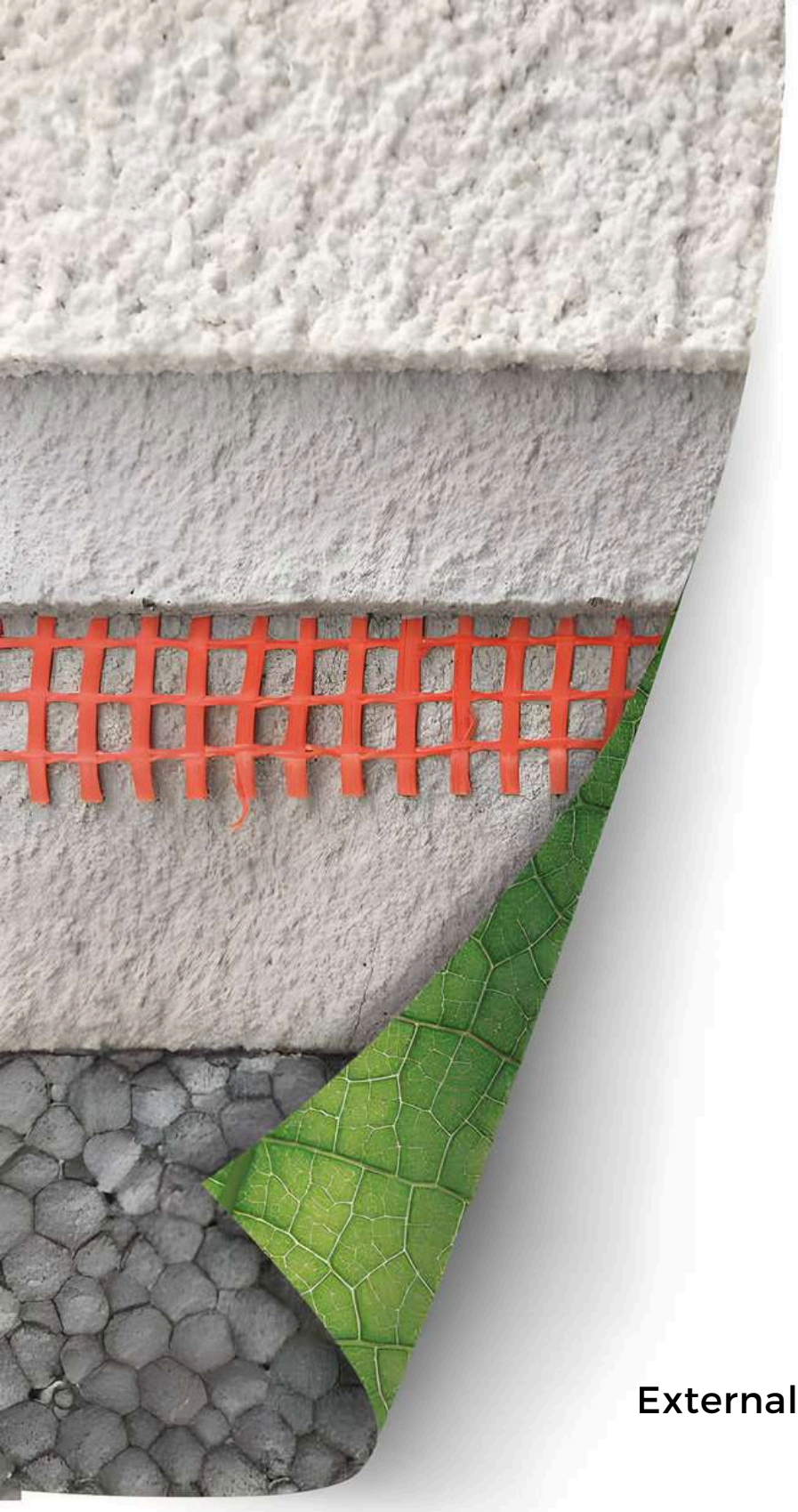
licata®
building systems



licataTHERM®

External Wall Insulation Systems

NEW BUILD | REBUILD | RENOVATE

www.licataltd.co.uk


licata THERM®

Index

comfortable **living**

In today's world, where increasing attention is given to quality of life and health, residential comfort plays an ever more important role. This is both because we spend the majority of our time inside buildings and because it has a significant impact on our wellbeing.

Beyond subjective aspects such as aesthetics, a modern, people-focused building must ensure a comfortable and stable indoor temperature, clean air free from pollutants, and protection against mould, fungi, and biological growth.

The **licataTHERM** external wall insulation systems are designed to effectively enhance quality of life by maintaining a constant indoor temperature, keeping humidity under control, and improving sound insulation.

A **licataTHERM** system makes any type of building—new or existing—comfortable and efficient, without disrupting the daily habits of its occupants. At the same time, it provides substantial cost savings and contributes to environmentally responsible living.

energy efficiency and environmental **sustainability**

The protection and respect of the environment require essential conditions such as energy efficiency and the rational use of non-renewable resources. To address global environmental issues such as the greenhouse effect, ozone depletion, and acid rain, we must first learn to manage energy resources intelligently. Each of us can contribute meaningfully to this cause by reducing waste and energy loss.

For many years now, EU directives and the legislation of many countries have promoted good practices in energy efficiency across all sectors. The residential sector in particular accounts for nearly half of national energy demand and, as a result, is responsible for the majority of carbon dioxide emissions. Most buildings, especially older ones, were constructed without taking energy efficiency criteria properly into account.

The **licataTHERM** external wall insulation systems provide an excellent solution for improving the energy performance of both new and existing buildings. They enhance the eco-sustainability of a construction while at the same time delivering better indoor comfort and significant cost savings.

licata® building systems

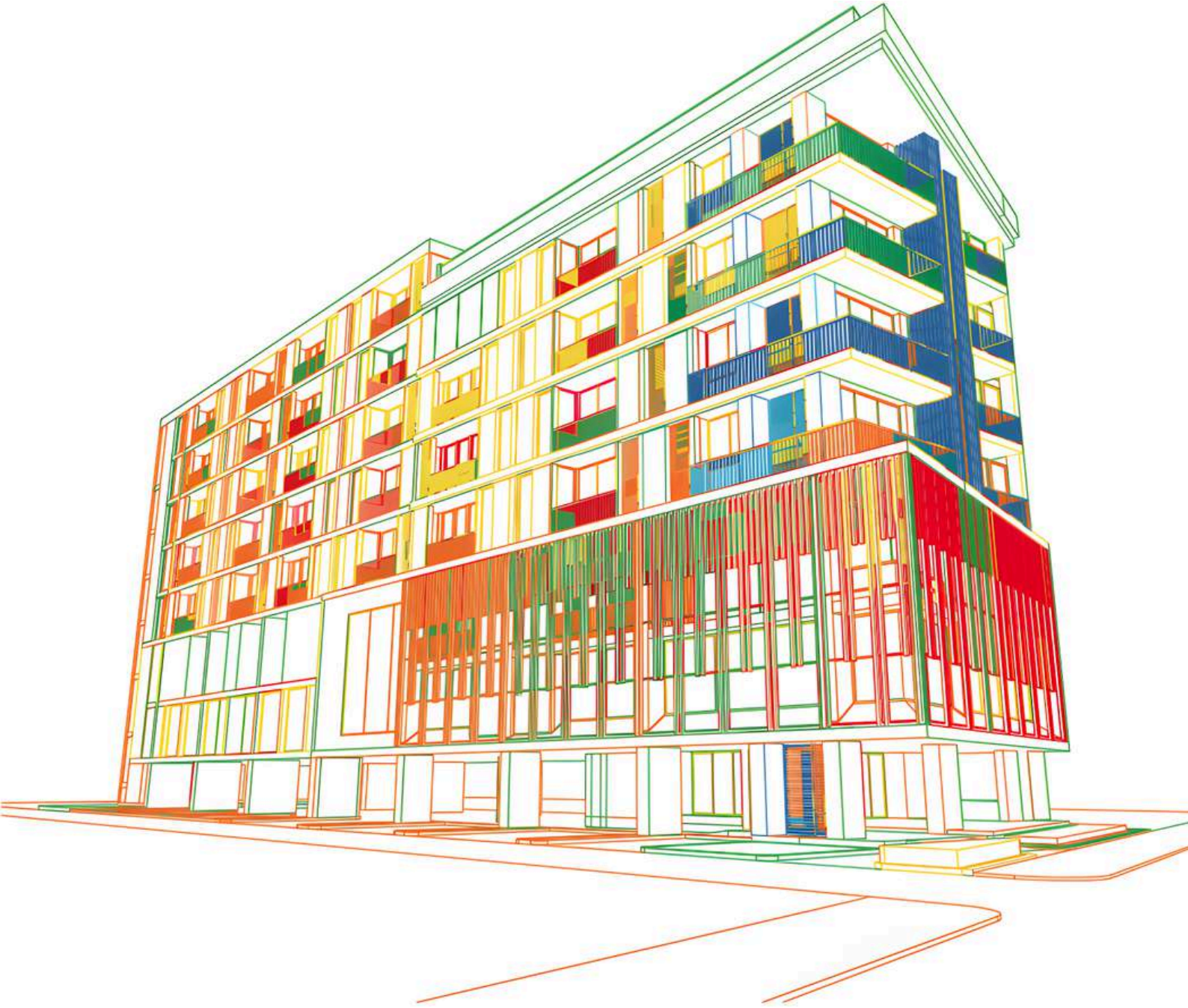
advantages

In practical terms, **licataTHERM** systems not only improve the overall thermal insulation of a building, but also effectively eliminate thermal bridges, preventing the concentration of heat flow in specific areas and hindering the formation of condensation and the mould stains it causes.

For these reasons, it is essential to rely on a continuous building envelope such as the **licataTHERM** systems, which provide the uninterrupted insulation necessary to reduce heat loss.Additional benefits include improved protection of the building itself: **licataTHERM** systems minimise dimensional variations in structures caused by the thermal expansion of different materials, reducing the risk of cracks and fissures.

Finally, using **licataTHERM** systems delivers substantial savings on energy consumption. But not only that—by improving the building's energy performance, it also increases its market value.

The investment in a **licataTHERM** system pays for itself in just a few years thanks to significant energy cost savings.



licata®
building systems

aesthetics

The decision to apply an external wall insulation system is not only a technical and economic choice. Alongside the benefits of improving the performance of your home, it also offers the opportunity to select a new finish and renew the aesthetic appearance of the façades.

The **licataTHERM** system is easy to apply and enables a complete exterior renovation with minimal effort and short installation times.

With **licataTHERM**, buildings enjoy a longer lifespan, while being both decorated and protected at the same time.

BBA & KIWA

At Licata, quality and compliance are at the core of everything we do. Our insulation systems are backed by certification from leading independent authorities, giving architects, contractors, and clients complete peace of mind.

BBA Certification
The British Board of Agrément (BBA) is the UK's most recognised certification body for construction products. A BBA Agrément Certificate confirms that a system has been independently assessed for performance, safety, and durability, and that it complies with national Building Regulations. Choosing BBA-certified systems means choosing solutions that meet the highest standards of reliability in the UK construction market.

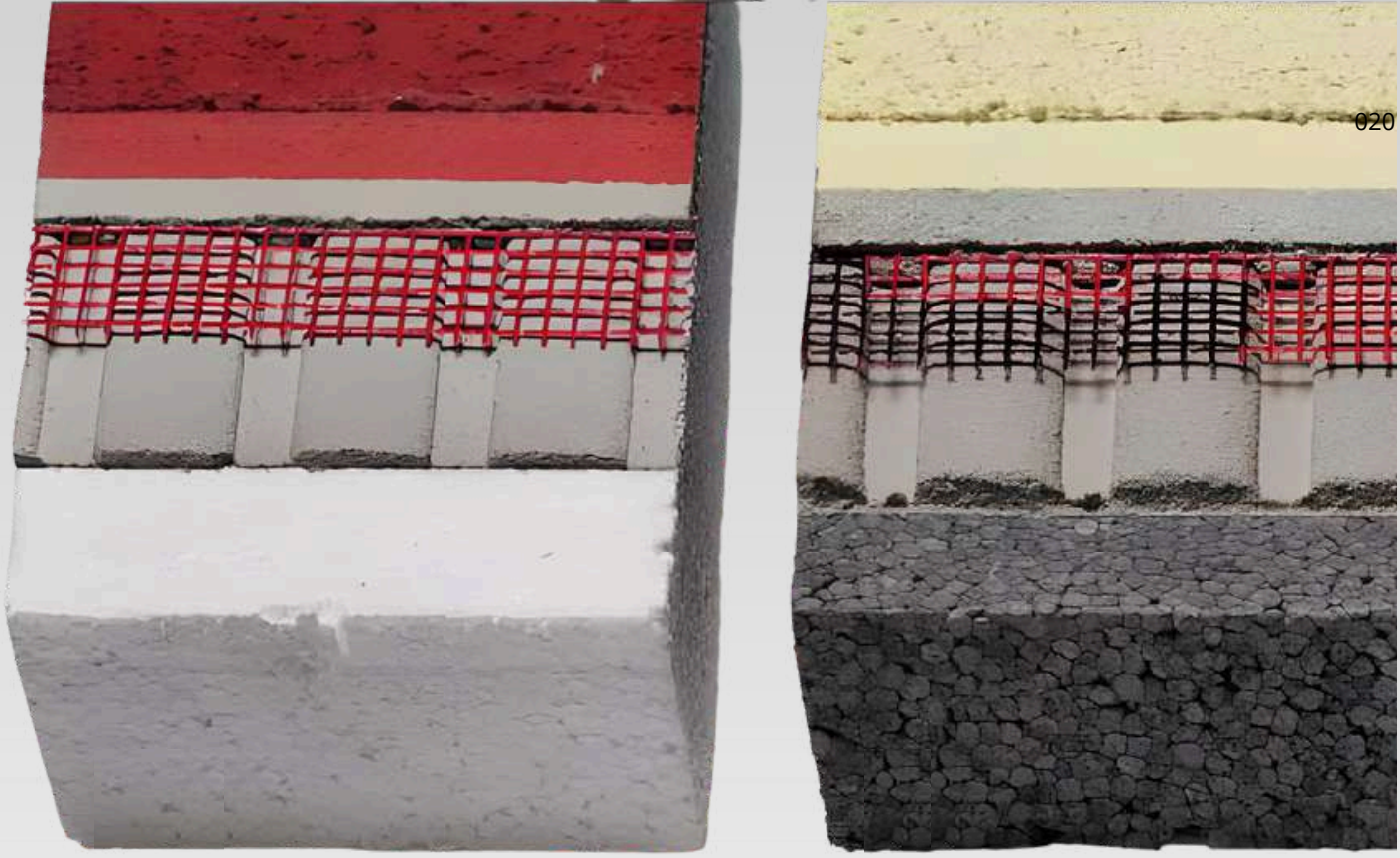
KIWA Certification
Kiwa is an international leader in testing, inspection, and certification. Through its BDA Agrément®, Kiwa provides independent verification that building systems are safe, fit for purpose, and manufactured under strict quality management controls. Certification by Kiwa offers assurance of compliance with UK and European standards, while also recognising durability, energy efficiency, and sustainability.

Why This Matters

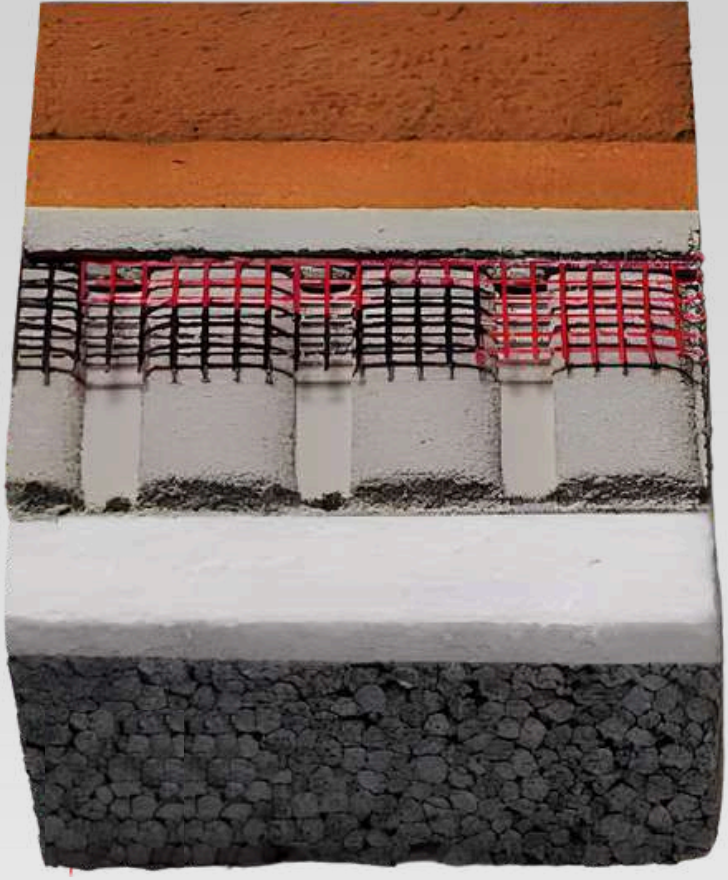
- Independent assurance of performance and compliance
- Recognition from trusted UK and European certification bodies
- Confidence for specifiers, contractors, and end clients
- Long-term reliability and sustainability of our systems

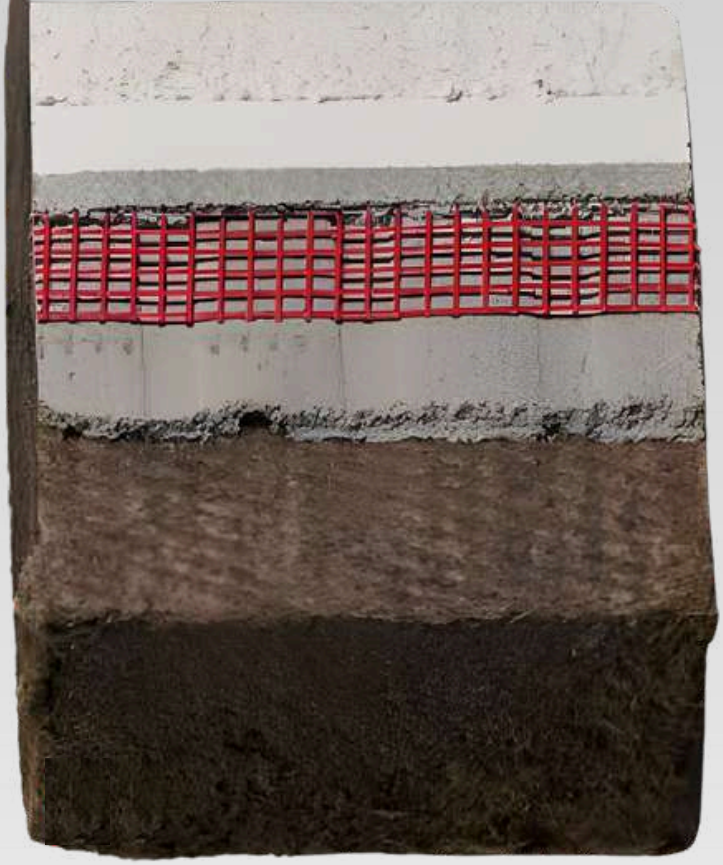
With both BBA and Kiwa BDA Agrément® approvals, **licataTHERM** systems are certified to perform — ensuring that every project benefits from proven quality and trusted compliance.


BBA
Licata S.P.A.
LICATA EXTERNAL WALL INSULATION SYSTEMS
LICATATHERM EPS EXTERNAL WALL INSULATION SYSTEM 2
Agrément Certificate
14/5120
kiwa
licata
BAW-23-284-S-A-UK
BDA Agrément®
LicataTherm Masonry Insulated System
External Thermal Insulation Composite System (ETICS)
BAW-23-283-S-A-UK
LicataTherm LGSF Insulated System
External Thermal Insulation Composite System(ETICS)
DESCRIPTION
ILLUSTRATION
THIRD-PARTY ACCEPTANCE
STATEMENT



systems





licata THERM®

SISTEMI APPROVATI
ETAG 004

kiwa

BBA

licataTHERM Mineral Wool

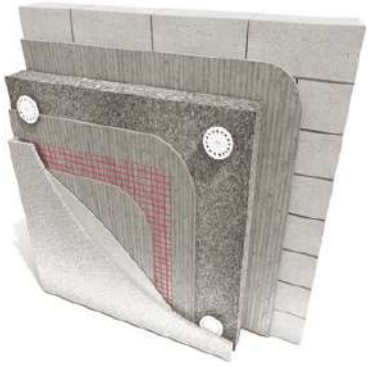
LicataTherm Mineral Wool EWI System intended use for masonry substrates. Delivers outstanding thermal performance and high fire safety rating, being A2-s1,d0 fire classified for render and mineral brick slips options and A1 for clay brick slip finish option. This KIWA agreement certified system is suitable for low and high raise buildings. It is a cost effective solution designed for quick and straight forward installation.

BBA kiwa

Suitable for clay and mineral brickslips

licataTHERM EPS

Our Licatatherm EPS EWI system benefits from being breathable, weather resistant and protection against algae and mould. With increased strength and crack resistance, due to the glass fibre mesh. Choose from brick slips, coloured render or resin multi-colour for the decorative finish. With over 700 colours available, you can pick the perfect coloured render for your project. Our EWI systems help improve the appearance and thermal efficiency of properties, reducing overall energy consumption.



BBA

Suitable for clay and mineral brickslips

licataTHERM Direct-Fix

Intended use for Framed substrates. Delivers outstanding thermal performance and high fire safety rating, being A2-s1,d0 fire classified for render and mineral brick slips options and A1 for clay brick slip finish option. This KIWA agreement certified system is suitable for low and high raise buildings and no boundaries limit. It is a cost effective solution designed for quick and straight forward installation on residential, commercial and all kind of buildings.

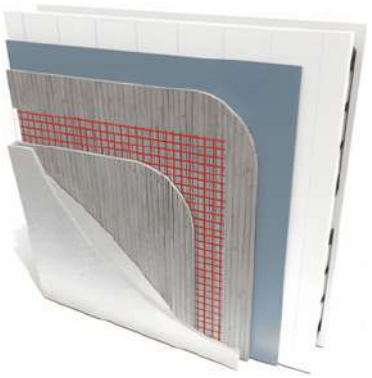
kiwa

Suitable for clay and mineral brickslips

licataTHERM ICF

Our LicataTherm ICF EWI system delivers exceptional thermal performance and durability. Designed for use with insulating concrete formwork (ICF), it is reinforced with glass fibre mesh to enhance strength and crack resistance, ensuring long-term protection. Fully breathable and fire-compliant, it is perfect for both new builds and refurbishment projects. Complete the system with a selection of high-quality coloured renders or brick slips for a premium decorative finish.

Suitable for clay and mineral brickslips



licataTHERM K5

Our Licatatherm K5 EWI system offers outstanding thermal performance and durability. Reinforced with glass fibre mesh for enhanced strength and crack resistance, it ensures long-lasting protection. Fully breathable and fire-compliant, it is ideal for both new builds and refurbishment projects. Complete the system with a choice of high-quality coloured render or brick slips for a premium decorative finish.

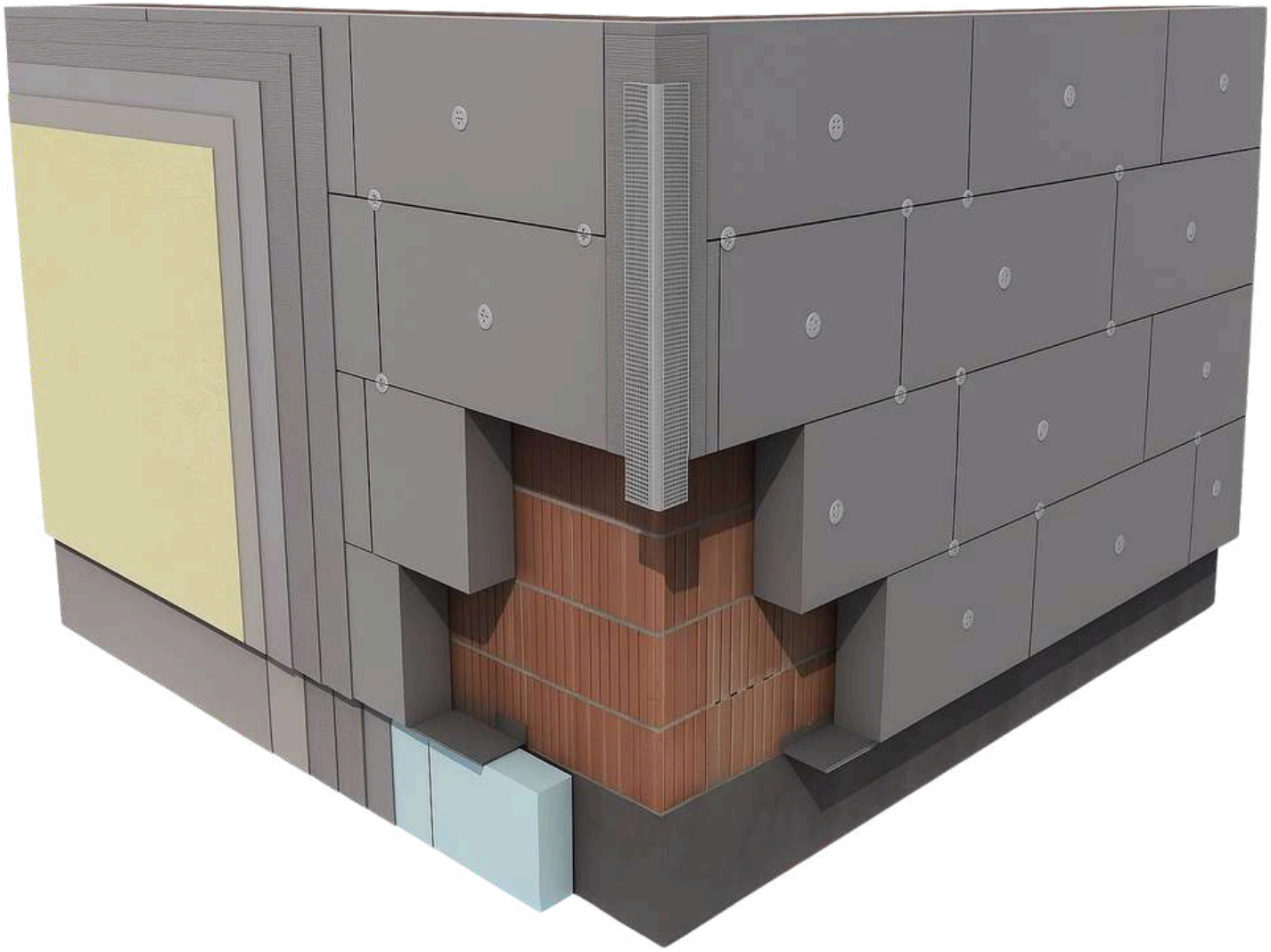
Suitable for clay and mineral brickslips

licataTHERM EcoPure

An innovative, low carbon external wall insulation solution designed to enhance energy efficiency and breathibility while reducing environmental impact and giving a higher strength to the finished system by fitting a reinforced mesh, Delivers outstanding thermal performance and high fire safety rating, being A2-s1,d0 fire classified for render and mineral brick slips options and A1 for clay brick slip finish option. This KIWA agreement certified system is suitable for low and high raise buildings. By aligning with the UK's sustainability objectives, ECOPURE BIO offers a superior alternative to traditional systems lowering carbon emissions and improving long term building performance.

Suitable for clay and mineral brickslips

application



licata® building systems

Preparation fo the Substrate

The use of the **licataTHERM** external wall insulation system (ETICS) is permitted on both existing and new constructions. It is suitable for various types of substrates: masonry (concrete, cement blocks, clay bricks, aerated concrete), exposed masonry, prefabricated panels (multi-layer slabs) and steel and timber frame structures.

The application substrate must be assessed to verify its mechanical characteristics and physical condition.

- Check the flatness of the substrate and remove any protrusions greater than 1 cm.
- The application surface must be dry, cured, clean, solid, free from dust, oils, moisture, and salts. On old, porous, or absorbent substrates, primers (Acril Primer, Nano Primer, SilPrimer) must always be used, as they also act as surface consolidators. On smooth concrete or non-absorbent substrates, or where release agents are present, apply Tiles Ecoprimer before bonding. This primer is specifically formulated to create bonding bridges and increase surface adhesion.
- Substrates contaminated with algae, fungi, or lichens must always undergo special treatment. First, the wall must be cleaned, then treated with an active solution (Sanus) that must not be rinsed off.
- Damaged or loose concrete areas must be repaired with suitable restoration mortars.
- Old paints, plasters, or ceramic coatings must be removed and the surface rebuilt to restore planarity.
- The minimum application temperature of the substrate must not be lower than +5 °C.
- Consider the correct working temperature and building moisture levels. Works such as internal plastering or screeds must be completed and fully dried before applying the system.
- Weather conditions must be monitored to ensure proper application and maintenance of system components. Do not apply on frozen substrates, during freezing conditions, or if temperatures are expected to fall below +3 °C within 24 hours. Application must be carried out at temperatures between +5 °C and +35 °C, with relative humidity not exceeding 70%. Protect the surface during application from direct sunlight and rapid drying.

It is the responsibility of the designer to specify in the project the necessary systems to prevent rainwater infiltration into the ETICS (e.g. roofing, waterproofing, sealing) and to plan the positioning of specific construction elements designed for ETICS when accommodating suspended loads.

Fixing of Starter Profiles

The fixing of the insulation boards is carried out using universal starter profiles, also called base profiles. All connections to pavements, plinths, and openings must be made with **licataTHERM** starter profiles, aligned horizontally (in level) and fixed with anchors at intervals of less than 30 cm.

The **licataTHERM** starter profiles must be applied over DPC level minimum 150mm from the ground floor, in other areas not being ground floor at a minimum height of 10mm.

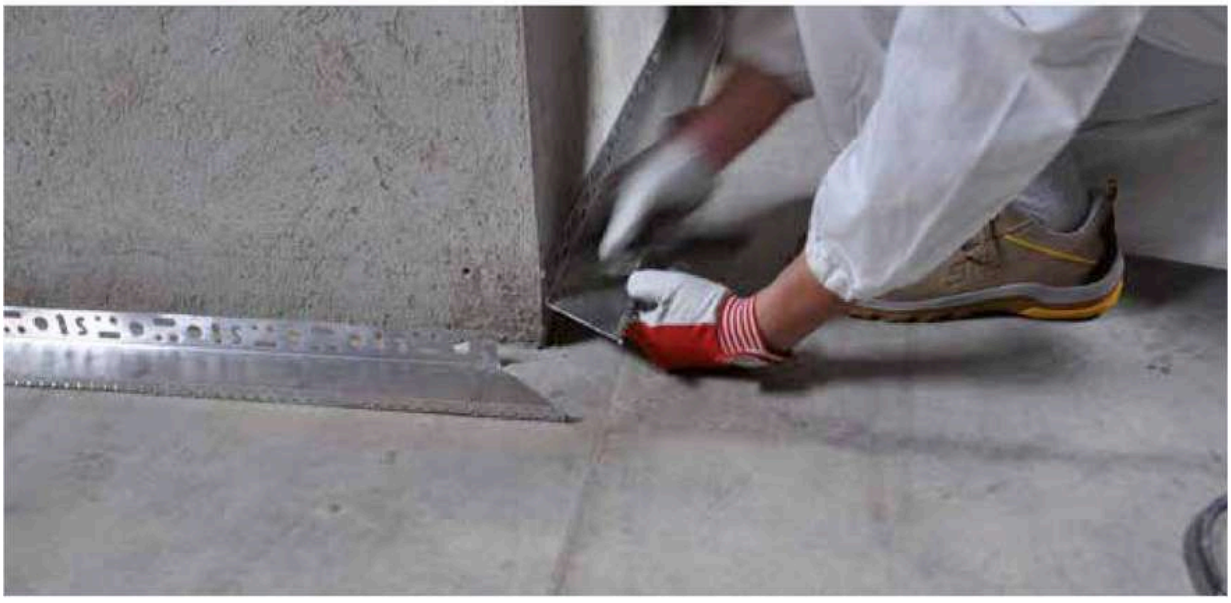


fig. 1

For the plinth and areas exposed to driving rain (such as balconies, terraces, etc.), use **licataTHERM** plinth panels up to a minimum height of 30 cm above ground level. Apply Raso Top 800 adhesive over the entire surface of the panel using a notched trowel (see fig. 2).

fig. 2

Bonding and Positioning of Insulation Boards

Mix Raso Top 800 adhesive by adding 21–23% water (approximately 5.25–5.75 L per bag) and stir with a low-speed drill mixer until the desired consistency is achieved. Leave to rest for 5 minutes, then re-mix. In the case of a perfectly flat substrate (surface flatness tolerance must not exceed 10 mm over 4 m), apply the product over the entire surface of the insulation board using a notched trowel. The average consumption is 4–6 kg/m² for full-surface coverage (see fig. 3).

fig. 3

When the substrate is not perfectly flat and presents irregularities not exceeding 1 cm in level difference, the insulation board must be bonded using the perimeter bead and spot method (see fig. 4). The average consumption is 3–5 kg/m².

fig. 4

Bonding can also be carried out using licataTHERM SP800 low-density polyurethane foam (see fig. 5).

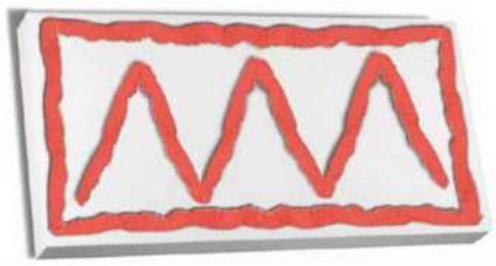


fig. 5

The insulation boards must be applied to the wall from the bottom upwards, with staggered joints, ensuring that no gaps remain between the edges of the boards (see fig. 6).

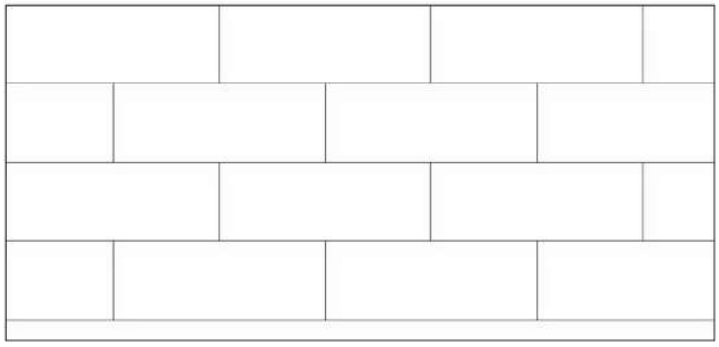


fig. 6

After the insulation board has been pressed against the wall, the adhesive must cover at least 40% of the entire surface (considering both the material applied to the substrate and to the board).
At corners, the boards must be alternated to ensure proper stress distribution (see fig. 7).

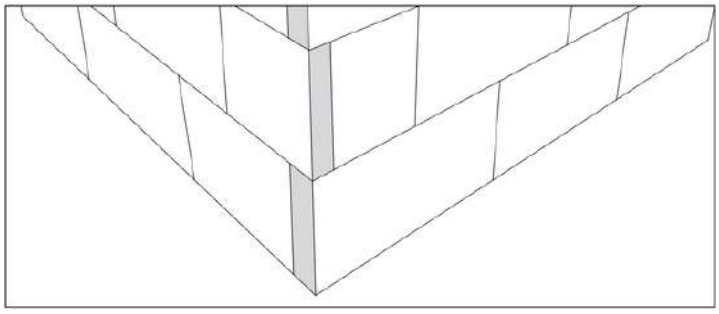


fig. 7

fig. 2

All gaps greater than 2 mm (caused by dimensional or installation tolerances) must be filled with the appropriate licataTHERM SP800 low-density polyurethane foam (see figs. 7 and 8). The need to fill gaps smaller than 2 mm should be evaluated on a case-by-case basis. If necessary, the joint may be widened to allow for proper sealing (see fig. 8).

fig. 8

fig. 9

Immediately remove any traces of adhesive mortar that may enter the joints between the insulation boards, leaving no residue, in order to prevent the formation of thermal bridges. Afterwards, the insulation boards must be tapped with a wooden or plastic float to ensure maximum adhesion to the substrate.
Regularly check the flatness of the entire surface using a straightedge. If irregularities are found, proceed with sanding to prepare the surface for the next stage – basecoat application.

Fixing of Insulation Boards

Premises:

- Insulation boards must always be mechanically fixed with anchors.
- Holes for the installation of anchors must be drilled only after the adhesive has cured.
- Use rotary hammers or percussion drills only on concrete or solid bricks. For hollow bricks, perforated blocks, or aerated concrete, use rotary drills with suitable bits to avoid damaging the masonry.
- Anchors must be installed flush with the insulation surface, either by hammering or screwing, depending on the type of anchor used.
- Anchors that are bent or loose (with poor holding capacity) must be removed and replaced with a new anchor in a newly drilled hole (not in the same hole). Empty holes must be filled with insulating foam.

Mechanical Fixing (EPS)

Once adhesive mortar cured proceed with the mechanical fixing of the panels, using Licata approved suitable anchors, following fixing manufacturer depth. The choice of anchor depends on the substrate and the wind load values of the EWI system applied. The anchor plate is designed to press the insulation board agains the substrate providing a valid pull through value, and the shank ensures adhesion to the substrate itself providing a valid pull out value. The number of anchors depends on the building wind load values and the panel position, (openings, edges, corners) and may vary between 3 and 5 fixings per slab, some projects may require one fire fixing per m2 stainless steel. All fixings must be applied following Licata patterns, ask technical.

Mechanical Fixing (Mineral Wool)

Mechanical fixing on mineral wool systems requires 3 kind of fixings:

1. Sacrificial fixings on the board fixed to structural areas of the substrate, fixings around openings, and fixings on corners.
2. Pattern fixings applied after first layer of base coat and through the mesh.
3. Fire fixings through the mesh stainless steel one fixing per m2

Follow Licata patterns.

Reinforcement arrows, corner beads and accessories

At the corners of windows and doors, the insulation panels must be cut so that their joints do not coincide with the edges of the openings. The cuts in the panels must be made properly at right angles, using appropriate tools such as saws or hot wire cutters (see fig.1).

fig 1

Before the reinforced basecoat is applied, it will be necessary to strengthen and counteract shear forces with diagonal reinforcements, which must be embedded in the plaster and fixed to the panels. The edge of the mesh strip should be positioned directly on the corner at approximately 45°. The dimensions of the mesh strips should be approximately 20 x 40 cm (see fig.2).
As an alternative, **licataTHERM** reinforcement arrows for reveals may be used (see fig.3).

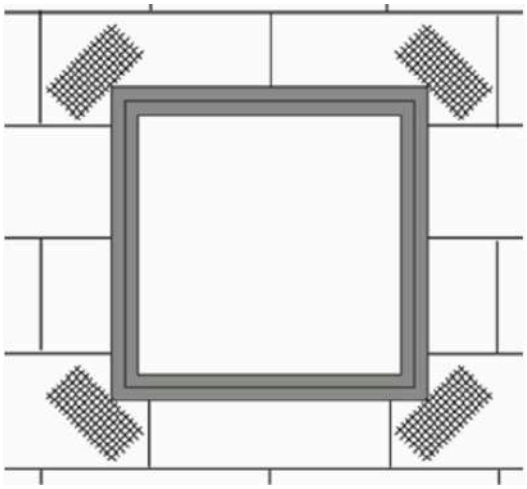


fig 2

fig 3

On all corners, the appropriate **licataTHERM** corner beads with mesh must be applied using adhesive mortar (see fig.4 and fig.5), taking care to use, at rainwater drainage points, the specific **licataTHERM** PVC corner beads with mesh and visible drip edge (see fig.6).

fig 4

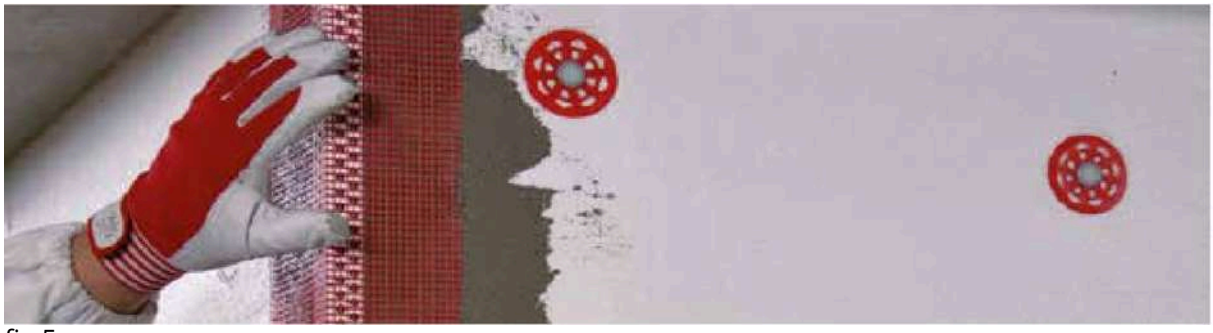


fig 5

fig 6

fig 7

Structural expansion joints must be protected with licataTHERM PVC expansion joint profiles (fig.7).

Basecoat and reinforcing mesh

Proceed with the basecoat application using a metal trowel, with an average consumption of 1.1 kg/m² per 1 mm of thickness. Starting from the top downwards, insert and embed the **licataTHERM** mesh 160 alkali-resistant fiberglass reinforcement mesh, overlapping each strip by at least 10 cm. Overlap the reinforcement mesh with the mesh of the specific **licataTHERM** accessories such as PVC corner beads, expansion joints, mesh for grooves, window reinforcement arrows, etc. In areas subject to impact, a double layer of mesh may be applied. Once completed, the entire system must dry for at least 1–2 days.

First coat of Raso Top 800 basecoat

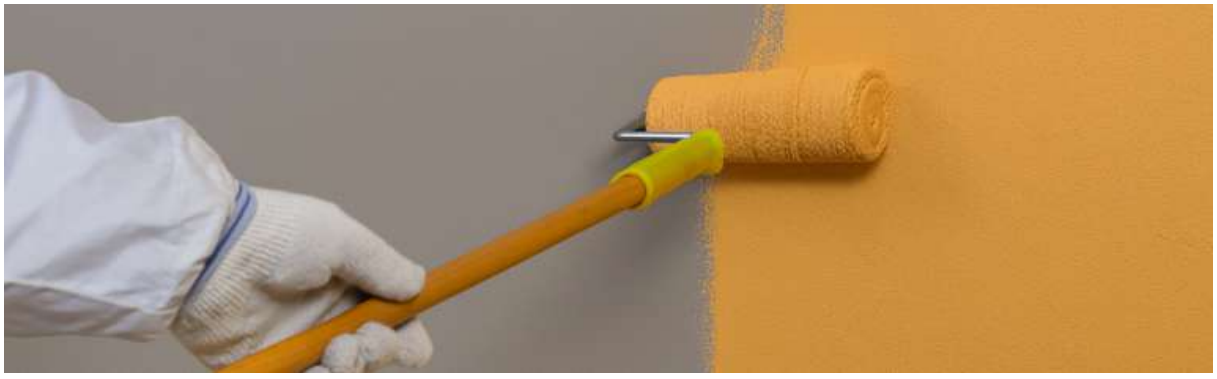
licataTHERM mesh 160

Then proceed with the second coat of Raso Top 800 basecoat so as to completely cover the reinforcement mesh.

The final thickness of the two reinforced mesh layers must be greater than 3 mm. The mesh must be positioned in the outer third of the basecoat layer.

Application of finishing layers

After complete curing of the basecoat layer, approximately 3–6 days (depending on weather conditions), proceed with the application of the coloured primer Isolante LG, PrimerOcram or Siloxan LG using a wool roller and/or brush.



Subsequently, after at least 12–24 hours, the application of the decorative coating must be carried out.

The product must be applied in a single coat with a stainless steel trowel and, while the layer is still wet, finished with a plastic trowel until the desired aesthetic effect is achieved.
For soffits, eaves, etc., use the paints from the Vitrea Quarzo acrylic line, the Idrosil Exterior potassium silicate line, or the Siloxan Paint siloxane line.

Use light colours (with a reflection index higher than 20%–30%, depending on climatic conditions). Do not interrupt application on continuous surfaces and, for at least 3–5 days, protect the surfaces from sun, rain, etc.

Technical information of the components


licata
building+colours
Raso Top 800
25kg
licata.coat
licata
LINEA SILOSSANICA
licata.coat
licata
LINEA ACRILICA

Raso Top 800

Fibre-reinforced mineral adhesive/skim coating made with hydraulic binders and polymer-modified resins for interiors and exteriors. Specifically designed for ETAG 004 external solid insulation such as *licatatherm* and for façade restoration work.

Raso Top 800 is a fibre-reinforced mineral adhesive/skim coating made with hydraulic binders, polymer-modified resins, selected inert materials and latest-generation additives, specifically devised for bonding and skim coating thermal insulation panels in **ETAG 004** systems such as ***licatatherm***. **Raso Top 800** boasts an excellent degree of adhesion on any traditional substrate, whether new or existing, even with extremely low absorption, making it also ideal for façade restoration work, both indoors and out. Its special formula allows professionals to apply it with extreme smoothness, achieving finishes with a superior degree of styling. Its dimensional stability, guaranteed by controlled hygrometric shrinkage, means it can be applied in variable thicknesses of between 1 and 10 mm per coat, consequently **Raso Top 800** also proves ideal as a regulating skim coating to restore flatness on horizontal or vertical substrates.

licatatherm
sistemi di isolamento a cappotto

MAIN AREAS OF APPLICATION

Raso Top 800 can be used on the majority of substrates commonly used in construction, for work on both new and existing buildings. It is mainly intended for use in:

- ***licatatherm*** external solid insulation systems with classic panels such as EPS, graphite EPS, rock wool or XPS (only for low bottom board strips)
- Lime based renders
- Lime/cement based renders
- Brick
- Prefabricated concrete or cast in-situ
- Autoclaved aerated concrete
- Old paintwork and coatings provided they are clean, consistent and well anchored to the substrate

Raso Top 800 is also used in ***licatatherm*** external solid insulation systems for bonding and skim coating of natural breathable panels such as wood fibre or cork.
For application on other types of substrates, please contact our engineering department.

CHARACTERISTICS

- High adhesion: owing to the addition of specific additives, **Raso Top 800** boasts excellent adhesion to the majority of commonly used substrates.

- Regulating: **Raso Top 800** can also be used as a "regulating" product on extra thick surfaces that are not flat (up to 10 mm).

- Easy workability. The combined spreadability, easy detachment of tools and simple working are obtained thanks to the use of latest-generation additives, reducing the level of difficulty and any delays in the laying process.

- **ETA** certified: product inserted in external solid insulation systems awarded an **ETA** certificate.

PRODUCT INFORMATION

Appearance	Grey or white powder
Particle size	<0.8 mm and 1.2 mm
Powder consumption (bonding)	Between 4 and 6 kg/m² on full surface Between 3 and 5 kg/m² for perimeter with points
Powder consumption (skim coating)	Between 4 and 6 kg/m² 1.1 kg/m² per mm in thickness
Mixing water	21-23% of powder weight
Workability time at 20 °C	≥30 minutes
Application thickness per coat	± 1.5 mm
Application temperature	Between +5 °C and +35 °C
Storage	12 months in a dry, protected place in sealed packs, at temperatures of between +5 °C and +35 °C
Packaging	25 kg
Density	1400-1500 kg/dm³
Mixture pH	approx. 11

PERFORMANCE LEVELS according

Characteristic	Test Method	Normative requirement	Performance
Dry bulk density	EN 1015-10		1400-1500 kg/m³
Compression resistance	EN 1015-11	CS I - CS IV	CS III
Adhesion	EN 1015-12		≥ 0.16 FP:B
Capillary water absorption	EN 1015-18	W0-W2	W0
Water vapour permeability coefficient (μ)	EN 1015-19		≤ 8
Thermal conductivity (λ)	EN 1745		< 0.45 W/mK
Reaction-to-fire Euroclass	EN 13501-1		A1

WARNINGS

- Professional-grade product.
- Alkaline material: protect your eyes and skin during application.
- After use, wash tools with water while the mixture is still fresh.
- The room temperature and degree of humidity affect the workability, grip and drying times.
- Monitor the product curing suitably for at least the first 24 hours after laying, protect fresh mortar against rapid drying, against direct sunlight, strong wind and heavy rain.

SAFETY

As regards the information concerning proper product disposal, storage and handling, please consult the relevant Safety Data Sheet.

NOTES

This technical data sheet replaces and cancels all previous versions.

The indications and performance levels provided in this document are based on our current technical-scientific knowledge and in any case should be considered as purely indicative since the conditions of use are in no way under our control. The purchaser must therefore check the suitability of the product for his or her specific needs, assuming all responsibility deriving from its use. Our technical-sales network guarantees a speedy response and is at your disposal for any clarifications or queries regarding the use and processing of ***licata SpA*** products.

Data Sheet ref.: 110/17.1

Raso W 160

Fibre-reinforced skim coat/adhesive for interiors and exteriors, made with hydraulic binders, polymer-modified resins, certified in accordance with the UNI 998-1 standard as GP mortar, specifically designed for external solid insulation systems with white or graphite EPS panels and as a skim coat, in the reinforced repair of façades during restoration work.

Raso W 160 is a professional-grade skim coat/adhesive for interiors and exteriors, made with Portland cement, carefully selected sands, polymer-modified resins and additives that give it a considerable adhesive capacity and good workability. The addition of special mineral fibres means it is possible to combine improved shock resistance with good flexibility. **Raso W 160** proves to be an ideal substrate for subsequent application of decorative coatings made with silicates, acrylics, siloxanes, or paintwork. The superior adhesive capacity, the enhanced pot life and the exceptional spreadability make it particularly recommended for ***licatatherm*** external solid insulation systems and as a skim coating, in the reinforced repair of façades during restoration work.

MAIN AREAS OF APPLICATION

Raso W 160 can be used on the majority of substrates commonly used in construction, for work on both new and existing buildings. It is mainly intended for use in:

- ***licatatherm*** external solid insulation systems with classic panels such as EPS, graphite EPS or XPS (only for low bottom board strips)
- Lime/cement based renders
- Brick
- Prefabricated concrete or cast in-situ
- Autoclaved aerated concrete
- Old paintwork and coatings provided they are clean, consistent and well anchored to the substrate

Owing to its outstanding permeability to water vapour, **Raso W 160** is also recommended for ***licatatherm*** external solid insulation with rock wool or glass wool panels. IT is also suitable for single or double layer skim coatings with reinforcement on renders or lime-based finishes where no damp-proofing treatment or the use of biocompatible materials is required.
For application on other types of substrates, please contact our engineering department.

CHARACTERISTICS

- Universal product: owing to its special composition, **Raso W 160** adheres to the majority of substrates commonly used in construction.

- Easy workability. The combined spreadability, easy detachment of tools and simple working are obtained thanks to the use of latest-generation additives, reducing the level of difficulty and any delays in the laying process.

- Regulating: **Raso W 160** can also be used as a "regulating" product on extra thick surfaces that are not flat (up to 10 mm).

- Outstanding thixotropy: the special additives contained in **Raso W 160** make for easy application both vertically as well as over-head.

- Controlled hygrometric shrinkage. The presence of special mineral fibres minimises the formation of cracks.

PRODUCT INFORMATION

Appearance	Grey or white powder
Particle size	<0.5 mm and 0.8 mm
Powder consumption (bonding)	Between 4 and 6 kg/m² on full surface Between 3 and 5 kg/m² for perimeter with points
Powder consumption (skim coating)	Between 4 and 6 kg/m² 1.15 kg/m² per mm in thickness
Mixing water	21-23% of powder weight
Workability time at 20 °C	>30 minutes
Application thickness per coat	± 1 mm (0.5 mm version) ± 1.5 mm (0.8 mm version)
Application temperature	Between +5 °C and +35 °C
Storage	12 months in a dry, protected place in sealed packs, at temperatures of between +5 °C and +35 °C
Packaging	25 kg
Density	1300-1400 kg/dm³
Mixture pH	approx. 11

PERFORMANCE LEVELS according

Characteristic	Test Method	Normative requirement	Performance
Dry bulk density	EN 1015-10		1400-1500 kg/m³
Compression resistance	EN 1015-11	CS I - CS IV	CS III
Adhesion	EN 1015-12		≥ 0.14 MPa
Fracture pattern	EN 1015-12	A, B, C	B
Capillary water absorption	EN 1015-18	W0-W2	W0
Water vapour permeability coefficient (μ)	EN 1015-19		≤ 8
Thermal conductivity (λ)	EN 1745		< 0.45 W/mK

WARNINGS

- Professional-grade product.
- Alkaline material: protect your eyes and skin during application.
- After use, wash tools with water while the mixture is still fresh.
- The room temperature and degree of humidity affect the workability, grip and drying times.
- Monitor the product curing suitably for at least the first 24 hours after laying, protect fresh mortar against rapid drying, against direct sunlight, strong wind and heavy rain.

SAFETY

As regards the information concerning proper product disposal, storage and handling, please consult the relevant Safety Data Sheet.

NOTES
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Data Sheet ref.: 110/17.1

Raso Top Bio

Fibre-reinforced mineral skim coating/adhesive made solely with natural hydraulic lime NHL 5 certified in accordance with UNI EN 459-1. The extremely high breathability and outstanding adhesion properties make it ideal for the construction of biocompatible thermal insulation systems

Raso Top Bio is a biocompatible skim coating/adhesive, certified as GP mortar in accordance with the **UNI EN 998-1** standard, specifically designed for applications requiring extremely high breathability. The special formula of **Raso Top Bio** lends the product excellent adhesion to the majority of substrates used in construction, combined with high spreadability during application. Owing to the addition of pozzolanic reagents, selected sands and specific additives, **Raso Top Bio** meets the strictest requirements in terms of environmental friendliness.
Raso Top Bio is recommended for work in ***licata*** external solid insulation systems and in the majority of work aimed at repairing/restoring construction heritage as a skim coating with superior permeability to water vapour properties.

MAIN AREAS OF APPLICATION

Raso Top Bio can be used on the majority of substrates commonly used in construction, for work on both new and existing buildings. It is mainly intended for use in:

- ***licata*** external solid insulation systems with natural breathable panels such as wood fibre, rock wool or cork
- Lime based renders
- Lime/cement based renders
- Brick
- Prefabricated concrete or cast in-situ
- Autoclaved aerated concrete
- Old paintwork and coatings provided they are clean, consistent and well anchored to the substrate

Raso Top Bio is also recommended in ***licata*** external solid insulation systems with classic panels such as EPS, graphite EPS or XPS (only for low bottom board strips).
For application on other types of substrates, please contact our engineering department.

CHARACTERISTICS

• Biocompatible product: owing to the addition of pozzolanic agents, selected sands and specific additives, **Raso Top Bio** meets the strictest requirements in terms of environmental friendliness.

• Easy workability. The combined spreadability, easy detachment of tools and simple working are obtained thanks to the use of latest-generation additives, reducing the level of difficulty and any delays in the laying process.

• Regulating: **Raso Top Bio** can also be used as a "regulating" product on extra thick surfaces that are not flat (up to 10 mm).

• Extra high breathability: the natural properties of hydraulic lime combined with inert materials with a controlled particle size curve make for exceptional permeability to water vapour, making **Raso Top Bio** ideal for use in breathable thermal insulation work (rock wool, cork or wood fibre).

• Outstanding wetting and thixotropic properties. • The special additives contained in **Raso Top Bio** make for easy application both vertically as well as over-head.

PRODUCT INFORMATION

Appearance	beige powder
Particle size	< 1 mm
Powder consumption (bonding)	between 4 and 5 kg/m² on full surface between 3.5 and 4.5 kg/m² for points/perimeter
Powder consumption (skim coating)	between 3.5 and 4 kg/m² (1.1-1.2 kg/m² per mm in thickness)
Mixing water	22-24% of powder weight
Workability time at 20 °C	≈ 30 minutes
Application thickness per coat	3-10 mm
Application temperature	between +5 °C and +35 °C
Storage	12 months in a dry, protected place in sealed packs, at temperatures of between +5 °C and +35 °C
Packaging	25 kg bag
Density	1470-1530 kg/dm³

PERFORMANCE LEVELS required according to

Characteristic	Test Method	Normative requirement	Performance
Dry bulk density	EN 1015-10		1470-1530 kg/m³
Compression resistance	EN 1015-11	CS I - CS IV	CS II
Adhesion	EN 1015-12		≥0.13 MPa
Fracture pattern	EN 1015-12	A, B, C	B
Capillary water absorption	EN 1015-18	W0-W2	W0
Water vapour permeability coefficient (μ)	EN 1015-19	≤15	≤12
Thermal conductivity (λ)	EN 1745		0.4 W/mK
Reaction-to-fire Euroclass	EN 13501-1		A1

WARNINGS

- Professional-grade product.
- Alkaline material: protect your eyes and skin during application.
- After use, wash tools with water while the mixture is still fresh.
- The room temperature and degree of humidity affect the workability, grip and drying times.
- Monitor the product curing suitably for at least the first 24 hours after laying, protect fresh mortar against rapid drying, against direct sunlight, strong wind and heavy rain.

SAFETY

As regards the information concerning proper product disposal, storage and handling, please consult the relevant Safety Data Sheet.

NOTES

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Data Sheet ref.: 110/17.1

Rasotherm 500Plus

Ready-to-use, synthetic polymer-based fibre-reinforced adhesive/render paste, with high adhesive power and excellent elasticity, ideal as an adhesive/render paste for use in *licatatherm-type* external insulation finishing systems and as a render paste in the reinforced restoration of façades with microcavillations.

Rasotherm 500 Plus is a ready-to-use, synthetic polymer-based in water dispersion fibre-reinforced adhesive/render paste, ideal as an adhesive/render paste for insulating panels made of foamed polystyrene, glass wool, rock wool, cork and wood fibre panels, especially on deformable bases such as wood panels, fibre-cement panels etc. The careful selection of raw materials and the addition of selected synthetic polymers, give **Rasotherm 500 Plus** excellent elasticity, flexibility, mechanical resistance (classified **cat. 2** according to **EN 13498**) and impermeability to water. Totally free of cement, **Rasotherm 500 Plus**, is also ideal as skim plaster for buildings subject to high accidental impact risk, for low-baseboard and in the restoration of façades with microcavillations or cracks.

MAIN FIELDS OF USE

Rasotherm 500 Plus is ideal as an adhesive/render plaster on natural and not natural insulating panels such as:

- Rock wool
- Glass wool
- Wood fibre
- EPS

Rasotherm 500 Plus is designed and formulated for applications on:

- Wooden bases (even CLT type composite laminates)
- Pre-fabricated concrete panels
- Lime-cement base plasters and finishes
- Reinforced skim coatings in façade restoration cycles
- Concrete
- Old paint and coatings provided they are clean, thick and well anchored to the substrate

For applications on different substrates, please contact our technical department.

CHARACTERISTICS

• Specific for wooden bases: **Rasotherm 500 Plus** is an adhesive/render plaster specific for gluing the majority of insulating panels on a multitude of bases, even deformable, like wooden walls (raw wood, glued laminated timber, CLT etc.)

• Excellent elasticity: the combination of specific performance additives and high quality binders gives **Rasotherm 500 Plus** excellent elasticity and flexibility.

• High mechanical resistance: classified in **Cat. 2** according to **EN 13498**, **Rasotherm 500 Plus** has excellent qualities of resistance to accidental impacts that make it ideal for interventions on low-baseboards.

• Excellent Thixotropy: the special consistency of **Rasotherm 500 Plus** allows an easy application also in vertical.

PRODUCT INFORMATION

Appearance	White paste
Particle size	<0.5 mm
Consumption	Bonding: from 3 to 5 kg/m² Smoothing: from 3 to 4 kg/m²
Preparation of the product	Ready to use
Overlay time at 20 °C	24-48 hours
Application thickness per coat	From 1 to 3 mm per coat
Application temperature	From +5 °C to +35 °C
Storage	12 months in dry, protected place in unopened container at temperatures between +5 °C and +35 °C
Packaging	25 kg
pH of mixture	approx. 9

PERFORMANCE

Characteristic	Test method	Legal requirement	Performance
Specific gravity	Internal		1.45 kg/dm³
Adhesion on cls and brick	Internal		> 0,45 N/mm²
Solid mass content	Internal		>90%
Viscosity at 20 °C	Brookfield-impeller No. 6		Approximately 60 000 cPs
Limit value EU VOC Dir. 2004/42/EC			<30 g/L

WARNINGS

- IT IS not suitable for application on frozen or thawing substrates. Store the buckets in places away from direct sunlight and with temperatures not below +5 °C to avoid compromising the quality of the material.
- If the surfaces are crumbling, flaking or the paintwork is old, clean the substrate thoroughly.
- In the event of difficult substrates, perform a suitability test beforehand.
- The effective temperature and degree of humidity may speed up or slow down the drying process.
- After using the product, wash the tools with water.

SAFETY

Please consult the safety data sheet for information about product disposal, storage and usage.

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Data sheet ref.: 280/18.2

Aggrappante LG

Pigmented primer based on acrylic resins and natural silica inert fillers, ideal for Exteriors, with high bonding power on smooth or absorbent substrates

Universal pigmented primer based on acrylic resins and natural silica inert fillers. Specifically for bridging primer on smooth surfaces for rendering or skim coating cycles. The presence of inert fillers allows **Aggrappante LG** to create rough surfaces for excellent grip, allowing rendering and/or skim coatings to bond perfectly to cement or lime/cement. Ideal on absorbent substrates as well because it uniforms the drying of successive layers.

MAIN FIELDS OF USE

Aggrappante LG is suitable for preparing substrates in internal/external areas, both new or existing, on residential, industrial or commercial buildings. It is recommended for use on cured substrates, i.e. after a curing time of at least four weeks. It can be applied to substrates, such as:

- Smooth concrete
- Absorbent walls/substrates
- Particleboard (on pre-fabricated buildings)
- Plaster board

For applications on different substrates, please contact our technical department.

CHARACTERISTICS

Evens out absorption: ideal even on porous surfaces as it regulates the drying of subsequent materials (plaster, skim coating) avoiding "burn" cause by the substrate absorbing excessive amounts of water in the mixture.

• Excellent bonding power: ideal as bridging primer on horizontal or vertical vibrated/smooth concrete panels. Creates a rough surface which is ideal for bonding renders/skim coatings.

• Universal: **Aggrappante LG** can be applied to the most commonly used substrates in building.

•Low VOC content: extremely low release, compliant with European laws on volatile organic components

PRODUCT INFORMATION

Appearance	Liquid - Pale blue
Yield	0.250 kg/m²
Dilution	Ready to use/maximum 10% water
Drying time	1-2 hours at +20 °C to touch approx. 24 hours at +20 °C fully dry
Application temperature	between +5 °C and +35 °C and 70% R.H.
Storage	12 months if stored in the original, unopened container
Packaging	Polypropylene bucket from 5 kg -20 kg
Binding agent	Acrylic
Specific gravity	1.30 kg/L
VOC (Directive 2004/42/EC) for primers (Cat A/c):	< 30g/L of VOC

WARNINGS

- IT IS not suitable for application on frozen or thawing substrates. Store the primer containers in places away from direct sunlight and with temperatures not below +5 °C for avoid compromising the quality of the material.
- If the surfaces are crumbling, flaking or the paintwork is old, clean the substrate thoroughly.
- In the event of difficult substrates, perform a suitability test beforehand.
- The effective temperature and degree of humidity may speed up or slow down the drying process.
- It is not possible to guarantee drying with colour differences (stains) due to:
    - the conditions of the substrate (such as structure, absorption aspect, etc.)
    - the use of natural raw materials.
- After using the product, wash the tools with water.

SAFETY

Please consult the safety data sheet for information about product disposal, storage and usage.

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Data sheet ref. 110/17.1

Isolante LG

Pigmentable primer made with acrylic copolymers and inert silica materials, specifically for exteriors, with high coverage and excellent levelling properties.

Universal pigmentable primer made with acrylic copolymers and inert silica materials. IT is ideal as a fixer before all decoration work with micro-coatings or synthetic binder based paste coatings. Specifically designed for exteriors and suitable for interiors, its formula is purpose-devised to achieve high levels of concealment for both flaws in the substrate, as well as when painting over medium/strong colours.
Its high levelling power ensures even absorption of the subsequent decorative layer, enhancing the yield and the surface effect of the micro-coating.

MAIN AREAS OF APPLICATION

Isolante LG is recommended for preparing internal/external substrates, whether new or existing, on residential, industrial or commercial buildings. IT is advisable to use the product on seasoned substrates, in other words after a curing time of at least four weeks. IT is applicable to substrates such as:

- Smooth concrete
- Absorbent walls/substrates
- Existing rendered façades
- Prefabricated concrete panels
- Old paint and coatings of an organic or mineral nature
- Plasterboard sheets

For application on other types of substrates, please contact our engineering department.

CHARACTERISTICS

• Pigmentable: it can be applied white or coloured, pigmented with the same shade as the subsequent topcoat, so as to combine the effect of the bonding bridge and attenuate any strong shades when painting over existing surfaces.

• Universal: **Isolante LG** can be applied to the majority of substrates commonly used in construction.

• Low VOC content: extremely low emissions, in compliance with European standards concerning volatile organic compounds.

• Excellent levelling power: also ideal on new surfaces since it limits the absorption of subsequent coats of paint, maximising yield and improving the styling finish.

PRODUCT INFORMATION

Appearance	Liquid - White
Yield	0.200 – 0.250 kg/m²
Dilution	Ready to use/maximum 10% water
Drying time	approx. 1-2 hours at +20 °C to touch approx. 24 hours at +20 °C completely
Application temperature	between +5 °C and +35 °C and 70% R.H.
Storage	18 months, if kept in the original sealed bucket
Packaging	5 kg - 20 kg polypropylene bucket
Binder	Acrylic
Specific weight	1,30 kg/L
VOC (Directive 2004/42/EC) for primer (Cat A/g):	< 30g/L VOC

WARNINGS

- WE advise against application on frozen or thawing substrates. Store the primer buckets in a place sheltered from direct exposure to sunlight and at temperatures not below +5 °C to avoid compromising the quality of the material.
- In the case of surfaces with evident chalking, peeling or old paint, it is advisable to proceed with thorough cleaning of the substrate.
- In the case of critical substrates, it is a good idea to check them for suitability beforehand.
- The actual temperature and the degree of air humidity may speed up or slow down the drying process.
- It is impossible to guarantee drying without differences in colour (spots) considering:
    - the conditions of the substrates (such as structure, absorbency, etc.)
    - the use of natural raw materials.
- Wash the tools with water after user.

SAFETY

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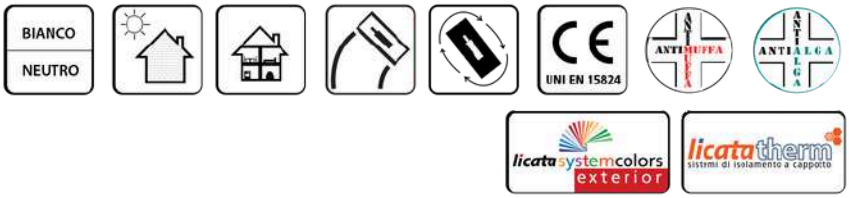
Data Sheet ref.: 110/17.1

Siloxan Color

Ready to use coating made with a siloxane binder paste affording high water-repellency and excellent permeability to water vapour, certified in accordance with ETICS standards.
Offering excellent mould-proof and anti-algae properties, it is an ideal decoration during styling/functional restoration work on façades and specifically in *licatatherm* external solid insulation systems. Ideal as a decorative finish in all work requiring high permeability to water vapour.

Siloxan Color is a coating made with water-dispersed siloxane binder paste, ready for use and which can be pigmented. **Siloxan Color** is specifically designed for work on new or existing façades, as well as for the decorative phase of reinforced skim coating, and in ***licatatherm*** external solid insulation. Owing to its formula, **Siloxan Color** provides complete protection for the façade against rain and atmospheric agents. The special additives contained in the formula guarantees outstanding protection against algal and mould growth. Ideal as a finish where a high degree of permeability to water vapour is required, such as in damp-proofing work or breathable insulation systems. Combined with colouring pastes, **Siloxan Color** guarantees good durability, gloss and full colours. Available in 5 particle sizes.



MAIN AREAS OF APPLICATION

Siloxan Color is recommended for decorating external surfaces, whether new or existing, on residential industrial or commercial buildings. IT is advisable to use the product on seasoned substrates, in other words generally after a curing time of four weeks. IT is applicable to substrates such as:

- ***licatatherm*** thermal insulation systems
- Damp-proofing renders
- Thermal renders
- Lime or lime/cement based renders
- Reinforced skim coating in façade restoration work
- Concrete
- Prefabricated concrete panels

For application on other types of substrates, please contact our engineering department.

CHARACTERISTICS

• High water-repellency: the carefully selected latest-generation additives give the coating self-cleaning properties.

• Workability: the thixotropy of the coating combines excellent spreadability of the coating with good adhesion to the substrate to minimise any material peeling during processing

• Excellent permeability to water vapour: the carefully selected siloxane binders maximises the coating's properties ensuring the walls breathe without creating a "barrier effect"

• Improved pot life: **Siloxan Color**, in standard conditions, makes for easier work on large-size façades thanks to an improvement made to the extended working time.

• Algal and mould protection: the special mould-proof additives found in the formula guarantee an excellent degree of protection against algal and mould growth.

PRODUCT INFORMATION

Appearance	Paste - White
Particle size and yield	well rounded 1.0 mm - approx. 1.7 kg/m² well rounded 1.2 mm - approx. 2.0 kg/m² well rounded 1.5 mm - approx. 2.6 kg/m² well rounded 2.0 mm - approx. 3.2 kg/m² angular 2.0 mm - approx. 3.0 kg/m²
Dilution	Ready to use
Drying time	approx. 3-4 hours at +20 °C to touch approx. 24 hours at +20 °C completely
Application temperature	between +5 °C and +35 °C and 70% R.H.
Storage	18 months, if kept in the original sealed bucket
Packaging	25 kg polypropylene bucket
Binder	Acrylic siloxane copolymer
Specific weight	1.85 kg/L
Dirt pickup	Low
Gloss	Matt
VOC (Directive 2004/42/EC) for external wall coating (Cat A/c):	< 30g/L VOC

PERFORMANCE LEVELS according

Characteristic	Test Method	Normative requirement	Performance
Permeability to water vapour	UNI EN ISO 7783/2 - 2001	V1 (high) V5 (low)	V1
Water absorption	UNI EN 1062/3-2001	W1 (high) W3 (low)	W3
Adhesion	ISO 4624:2002	> 0.3 MPa	> 0.3 MPa
Durability	UNI EN 13687-3	> 0.3 MPa	> 0.3 MPa
Thermal conductivity	UNI EN 1745		λ=0,70 W/(m K)
Reaction to fire	UNI EN 13501-1		Euroclass A2 S1 d0

WARNINGS

- We advise against application on frozen or thawing substrates.
- In the case of critical substrates or those other than those specified, it is a good idea to check them for suitability beforehand and contact our engineering department.
- Store the coating cans in a place sheltered from direct exposure to sunlight and at temperatures not below +5 °C to avoid compromising the quality of the material.
- Always check the material prior to application, to make sure the colour tone matches the one required.
- Any complaints concerning the colour tone will not be accepter after application.
- It is impossible to guarantee drying without differences in colour (spots) considering:
    - the differences in atmospheric and physical conditions in which a building may be;
    - the presence of scaffolding;
    - the conditions of the substrates (such as structure, absorbency, etc.);
    - the use of natural raw materials.
- Protect against direct sun rays and heavy rain for the first 48-72 hours. The actual temperature and the degree of air humidity may speed up or slow down the drying process.
- Protect your eyes and hands during application.
- Wash the tools with water after user.

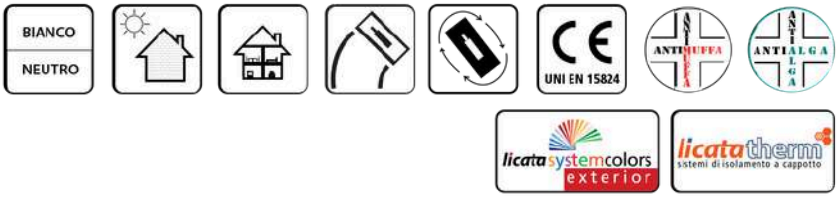
SAFETY

As regards the information concerning proper product disposal, storage and handling, please consult the relevant Safety Data Sheet.

Lerici

Ready to use coating made with an acrylic binder paste affording high water-repellency and exceptional workability, certified in accordance with ETICS standards.
Offering excellent mould-proof and anti-algae properties, it is an ideal decoration during styling/functional restoration work on façades and specifically in *licatatherm* external solid insulation systems.

Lerici is a coating made with water-dispersed acrylic binder paste, ready for use and which can be pigmented. **Lerici** is specifically designed for work on new or existing façades, as well as for the decorative phase of reinforced skim coating, and in ***licatatherm*** external solid insulation. Owing to its formula, **Lerici** provides complete protection for the façade against rain and atmospheric agents; it is particularly effective in critical weather and environmental conditions (humid climate or in the presence of smog). The special additives contained in the formula guarantees outstanding protection against algal and mould growth. Combined with colouring pastes, **Lerici** guarantees good durability, gloss and full colours. Available in 4 particle sizes.



MAIN AREAS OF APPLICATION

Lerici is recommended for decorating internal substrates, whether new or existing, on residential, industrial or commercial buildings. IT is advisable to use the product on seasoned substrates, in other words after a curing time of at least four weeks. IT is applicable to substrates such as:

- ***licatatherm*** thermal insulation systems
- Thermal renders
- Lime/cement based renders or skim coatings
- Reinforced skim coating in façade restoration work
- Concrete
- Prefabricated concrete panels

For application on other types of substrates, please contact our engineering department.

CHARACTERISTICS

• High hydrophobicity: the particular formula of **Lerici** allows complete protection against atmospheric agents, creating a continuous film that prevents the passage of rainwater and therefore keeping the walls dry.

• Workability: the thixotropy of the coating combines excellent spreadability of the coating with good adhesion to the substrate to minimise any material peeling during processing.

• Improved pot life: **Lerici**, in standard conditions, makes for easier work on large-size façades thanks to an improvement made to the extended working time.

• Algal and mould protection: the special mould-proof additives found in the formula guarantee an excellent degree of protection against algal and mould growth.

• Extensive range of colours: from pastel hues to particularly bright shades, **Lerici** can be pigmented in over 600 different types of colour.

PRODUCT INFORMATION

Appearance	Paste - White
Particle size and yield	well rounded 1.0 mm - approx. 1.7 kg/m² well rounded 1.2 mm - approx. 2.0 kg/m² well rounded 1.5 mm - approx. 2.6 kg/m² well rounded 2.0 mm - approx. 3.2 kg/m² angular 2.0 mm - approx. 3.0 kg/m²
Dilution	Ready to use
Drying time	approx. 3-4 hours at +20 °C to touch approx. 24 hours at +20 °C completely
Application temperature	between +5 °C and +35 °C and 70% R.H.
Storage	18 months, if kept in the original sealed bucket
Packaging	25 kg polypropylene bucket
Binder	Acrylic
Specific weight	1.85 kg/L
Dirt pickup	Low
Gloss	Matt
VOC (Directive 2004/42/EC) for external wall coating (Cat A/c):	< 30g/L VOC

PERFORMANCE LEVELS according

Characteristic	Test Method	Normative requirement	Performance
Permeability to water vapour	UNI EN ISO 7783/2 - 2001	V1 (high) V5 (low)	V2
Water absorption	UNI EN 1062/3-2001	W1 (high) W3 (low)	W3
Adhesion	ISO 4624:2002	> 0.3 MPa	> 0.3 MPa
Durability	UNI EN 13687-3	> 0.3 MPa	> 0.3 MPa
Thermal conductivity	UNI EN 1745		λ=0,70 W/(m K)
Reaction to fire	UNI EN 13501-1		Euroclass A2 S1 d0

WARNINGS

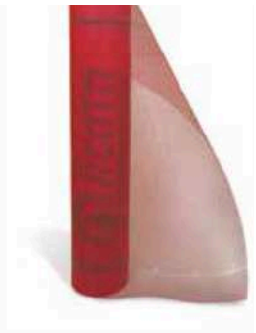
- We advise against application on frozen or thawing substrates.
- In the case of critical substrates or those other than those specified, it is a good idea to check them for suitability beforehand and contact our engineering department.
- Store the coating cans in a place sheltered from direct exposure to sunlight and at temperatures not below +5 °C to avoid compromising the quality of the material.
- Always check the material prior to application, to make sure the colour tone matches the one required.
- Any complaints concerning the colour tone will not be accepter after application.
- It is impossible to guarantee drying without differences in colour (spots) considering:
    - the differences in atmospheric and physical conditions in which a building may be;
    - the presence of scaffolding;
    - the conditions of the substrates (such as structure, absorbency, etc.);
    - the use of natural raw materials.
- Protect against direct sun rays and heavy rain for the first 48-72 hours. The actual temperature and the degree of air humidity may speed up or slow down the drying process.
- Protect your eyes and hands during application.
- Wash the tools with water after user.

SAFETY

As regards the information concerning proper product disposal, storage and handling, please consult the relevant Safety Data Sheet.

licatatherm mesh 160

licatatherm mesh 160 (certified according to **ETAG 004**), alkali resistant fibre glass mesh, meets the maximum safety requirements about crack-resistance and resistance to shock.



APPLICATION

After installing the insulation boards and having left the adhesive dry, you can smooth and drown the reinforcing mesh with **licata. finish** or **licata.coat** smoothing products. Operate by metal spatula trowel.
Starting from the top to bottom, insert and drown the reinforcing alkali-resistant fibreglass mesh **licatatherm mesh 160** overlapping at least 10 cm of mesh between one strip and the other. Areas subjected to mechanical stress can be better armed by using two layers of mesh.
When the operation is finished let it all dry for at least 2 days. Then proceed with the second coat of **licata.finish** or **licata.coat** smoothing products with steel trowel (not notched) so as to completely cover the reinforcing mesh.

N.B. *At the edges, stretch the glass fiber mesh over the entire wall and at the openings (doors / windows), drowning it in the mortar. Run along the edge of the intrados with a sharp knife, cutting the reinforcement mesh with an angle of 45 °. At the outer corners of the intrados cut the reinforcement mesh thoroughly and precisely.*

TECHNICAL DATA

Description	Value	Regulations
Mass per unit area	160,4 g/m²	ETAG 004
Starch	Alkali resistance	-
Thread count - Warp - Weft	 48.0 Fd(yarn)/10 cm 20.0 Fd(yarn)/10 cm	DIN 53853
Colour	Red	-
Tensile strength - Warp - Weft	 2042,2 N/5 cm 2289,4 N/5 cm	ETAG 004
Ash content	84%	ETAG 004
Standard roll width	100,5 cm	DIN EN 1773
Standard roll leght	50 m	-
Packacking	50 m² roll 1 pallet contains 33 rolls (1.650 m²)	

ADVICE

- Prevent the formation of folds and/or bubbles during application of the mesh.
- Protect from UV rays, humidity and rain.

SAFETY

As regards the information concerning proper product disposal, storage and handling, please consult the relevant Safety Data Sheet.

NOTE
The information in this technical data sheet is gathered from information provided by the manufacturer.
The manufacturer reserves the right to make changes and variations due to technical needs without prior notice.
Ref. Sheet: 220/18.2

System Finishes

Silicone Render

Silicone Render is our most advanced and versatile finishing option, combining outstanding durability with a clean, modern appearance. Formulated with high-performance silicone technology, this render delivers superior water resistance, preventing moisture penetration while allowing the building to breathe. Its hydrophobic properties also mean dirt and pollutants are washed away naturally with rainfall, helping façades stay cleaner for longer.

Available in a wide range of textures and virtually unlimited colour choices, Silicone Render can be tailored to suit contemporary or traditional designs. Its high flexibility reduces the risk of cracking, while its resistance to algae and fungal growth ensures a long-lasting, low-maintenance finish. This makes Silicone Render particularly well-suited for both urban environments and exposed rural locations where performance and appearance must be maintained for many years.

licataTHERM®

Chalk

Rain

Ice

Cloud


Mist

Whisper

Buttermilk

Starlight

Marigold

Cotton

Gardenia

Bone

Feather

Champagne


Frost

Rice Paper

Linen

Lace

Cosmic


Stone


Earth


Titanium


Anthracite


Smoke


Ash


Silver


Clay


Pearl


Oak


Pink Lemonade

licata® building systems

Clay Brick Slips

Clay Brick Slips offer the timeless charm of traditional brickwork combined with the thermal and structural advantages of an external insulation system. Manufactured from genuine clay and fired in kilns, these slips replicate the look, feel, and durability of full-sized bricks but in a thinner, lightweight format.

Their natural colour variations and textures provide a truly authentic appearance, making them ideal for projects where planning regulations require a brick façade or where clients wish to achieve a classic finish without the added cost and structural weight of conventional brickwork. Clay Brick Slips are also extremely durable, frost-resistant, and fade-resistant, ensuring the building retains its character for decades. Whether used across the whole façade or in combination with render for a mixed-material design, Clay Brick Slips offer a premium and lasting solution.


Iron


Blue


Nightsky


Cloud


Mist


Whisper


Buttermilk


Starlight


Moonstone


Sunrise


Powdered Bronze


Autumn


Red Sand


Rustic Red

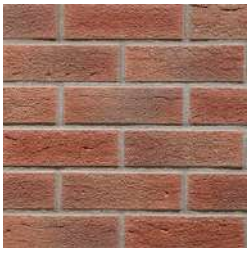

White Washed


Old Millhouse


Smokey Red


Burnt Orange


Orange Blaze


Deep Red


Blush


Amber


Honey


Honeycomb


Cotswold Mix


Bone


Dove Grey


White Sand


Aged Yellow


Brie

Full range available in our **Clay Brick Slips Brochure**

Mineral Brick Slips

Mineral Brick Slips provide the same attractive brick-like appearance as clay but with a lighter, faster, and more cost-effective installation process. Produced from high-performance mineral composites, they are designed to be impact-resistant, weatherproof, and highly stable under varying climate conditions.

These slips are an excellent choice for projects where weight or budget constraints are key considerations, without compromising on the desired brick aesthetic. Available in a broad range of colours, finishes, and surface textures, Mineral Brick Slips can replicate everything from traditional red brick to sleek, contemporary shades, offering design flexibility for both residential and commercial façades.

Easy to cut and apply, Mineral Brick Slips reduce installation times while still delivering long-lasting durability and visual appeal. They are particularly popular for large-scale developments, refurbishments, and modern projects seeking the brick look at a more accessible price point.


Canyon


Slate


Lace


Maroon


Rustic


Wheat


Redwood


Ash


Charcoal


Amber Slate


Dune Frost


Vanilla


Rustic Bark


Brickwood


Storm


Soft Steel


Golden Dune


Snow


Redstone


Terra


Rust


Sand


Flames


Pumpkin


Smoke


Raven


Caramel


Mustard


Toffee


Chocolate

Full range available in our **Mineral Brick Slips Brochure**

Samples Service

Licata assists you in selecting the right system and surface by providing material samples tailored to your project.
To request a sample, please visit: licataltd.co.uk/order-samples/

Product Demonstrations

We offer product demonstrations that cover every component of an EWI system, showcasing the correct application methods for each system layer and the range of finish materials available for facade designs. These sessions also highlight technical application techniques, along with specialist sealing and detailing practices.
For available dates, please contact us at: info@licataltd.co.uk

Tender Specifications

Licata provides tender specifications to support you during the planning phase.
For more information, contact us at: info@licataltd.co.uk

Detailed Drawings

Our Licata technical consultants work closely with architects, planners, and applicators to develop bespoke detail drawings upon request as well as CAD drawings and BIM objects.
Get in touch at: info@licataltd.co.uk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