

CSTB  
ETE 13/0827

APPROVED SYSTEMS  
ETAG 004



COLOUR  
collection  
Exterior



 **licata+greutol**<sup>®</sup>  
building & decorating products

Italian Building Centre  
Unit 6, Hampton Business Park  
Bolney Way, Twickenham  
London TW13 6DB  
T: 020 8894 3372  
F: 020 8898 3088  
E: info@licatagreutol.co.uk  
E: shop@italianbuildingcentre.com  
www.italianbuildingcentre.com  
www.licatagreutol.co.uk

**licata therm**<sup>®</sup>  
Sistemi di isolamento termico a cappotto

**licata therm**<sup>®</sup>

ETA & BBA certified **licata therm** coating system for thermal insulation of buildings, guaranteed insulation from heat and cold, improving living comfort, saving energy costs and reducing environmental impact.

 **licata**<sup>®</sup>  
building+colours



Thermal insulation system with expanded  
Graphite enhanced polystyrene boards bonded in  
place and encased within a mesh system using  
**Raso Top 800** bonding / levelling compound

**The value of comfort**

An external insulation system reduces heating costs and allows excellent indoor ambient conditions, ensuring consistent comfort throughout the year.

Choosing **licatatherm** coating insulation systems made to comply with buildings' energy performance ensures a reduction in heat lost through vertical and horizontal dense surfaces, reducing overall energy consumption and guaranteeing better living comfort.

**licatatherm** EPS graphite, a solution consisting of expanded polystyrene panels with graphite, to enhance the degree of effectiveness even at reduced thickness compared to traditional EPS systems. The expanded polystyrene is light, non-tear, fire-retardant, weather-proof and endowed with high impact resistance.

• **licatatherm** EPS graphite is a thermally insulated polystyrene foam panel with graphite, certified according to the European standard **EN 13163**, in compliance with the **ETICS** standards. 91/5000

**Thermal conductivity:** 0,031 W/mK - **Vapour permeability  $\mu$ :** 20-40 - **Reaction to fire:** E1

• **Raso Top 800** is a fiber-reinforced mineral bonding / levelling compound based on hydraulic binders, polymer-modified resins, selected inerts and latest technology additives, certified for bonding and levelling heat-insulating panels in **ETAG 004** systems such as **licatatherm**. Usage c.a. 4-6 kg/m<sup>2</sup> for bonding on a solid surface and 3-5 kg/m<sup>2</sup> for bonding to hollow frames; c.a. 4-6 kg/m<sup>2</sup> for levelling);

• Fibreglass alkali-resistant mesh, type **licatatherm** mesh **160**, **ETAG 004**, certified, weighs approximately 160 g/m<sup>2</sup> ±5%;

• **licatatherm** PN 8, 8 fastening fixings for the mechanical fixing of the system provided with its graphite EPS cap;

• PVC corner bead with mesh 80x120 type **licatatherm** angular PVC with mesh;

• **Isolante LG Primer** -Universal pigmentable primer based on acrylic and insert copolymers of siliceous nature, for external use, with high coating strength and excellent smoothing properties.

• **Siloxan Color** finish coating paste based on siloxane resins, with minimum granulometry of 1.5 mm, with water absorption characteristics W 3 according to **UNI EN 1062/3-2001**, class V1 vapour diffusion resistance according to **UNI EN ISO 7783/2**, in DL chosen colours with a refractive index I.R. ≥ 25% (usage c.a. 2.6 kg/m<sup>2</sup> for 1.5 mm grain).

• Other peripherals necessary to achieve a thermal insulation as best practice.

Please follow the instructions in the "**licatatherm**" technical manual to apply the system. Also included are miscellaneous, and other accessories even if not indicated and necessary appropriate kit. Any support to be stabilised separately is excluded. All finishing work to be performed as best practice..

**Raso Top 800**

COLOUR  
**collection**  
**Exterior**





Thermal sound insulation system with rock wool thermal insulation panel, totally non-flammable and with excellent breathability. Bonding and levelling of insulating panels biocompatible solution **Raso Top 800**

**The perfect insulation**

**licatatherm**® **ROCK WOOL** insulation system is a thermal coating with ecological characteristics and a high degree of fire safety. Rock wool is an insulating material of mineral nature with great reliability and durability. Among similar materials, rock wool represents excellent quality. The main advantages of rock wool are: easy recyclability, excellent thermal and sound insulation properties, damp-proof and incombustibility.

**licatatherm**® **ROCK WOOL** is the ideal system to ensure the elimination of thermal bridges, with benefits of living comfort and reduced energy consumption with excellent insulation strength even at high temperatures to ensure maximum thermal comfort even for high rise buildings.

• **licatatherm**® **ROCK WOOL DD** is a high-density panel (100 kg/m<sup>3</sup>), fire-proof in bio-soluble rock wool for thermal/sound insulation, complying to **ETICS** standards.

**Thermal conductivity:** 0,036 W/mK - **Vapour permeability μ:** 1 - **Reaction to fire:** A1

• **Raso Top Bio** is a biocompatible bonding/levelling compound, certified as a GP mortar according to the **UNI EN 998-1**, standard, for use in applications requiring high breathability. Suitable for **licatatherm**®, thermal insulation systems, the product complies with the requirements of **ETAG 004** for bonding and levelling agents for thermal insulation systems (ETICS). Usage c.a. 4-5 kg/m<sup>2</sup> for solid-surface bonding and 3.5-4.5 kg/m<sup>2</sup> for bonding to hollow frames, c.a. 3.5-4 kg/m<sup>2</sup> for levelling);

• Fibreglass alkali-resistant mesh, type **licatatherm**® **mesh 160**, **ETAG 004** certified, weights approximately 160 g/m<sup>2</sup> ±5%;

• **licatatherm**® fastening **fixing** for mechanical fixing of the system;

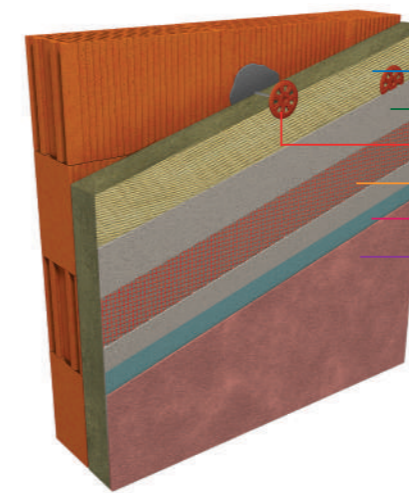
• PVC corner **bead** with mesh 80x120 type **licatatherm**® **angular PVC with mesh**;

• **Isolante LG Primer** -Universal pigmentable primer based on acrylic and insert copolymers of siliceous nature, for external use, with high coating strength and excellent smoothing properties.

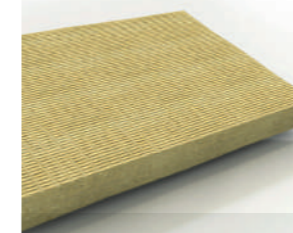
• **Siloxan Color** finish coating paste based on siloxane resins, with minimum granulometry of 1.5 mm, with water absorption characteristics W 3 according to **UNI EN 1062/3-2001**, class V1 vapour diffusion resistance according to **UNI EN ISO 7783/2**, in DL chosen colours with a refractive index I.R. ≥ 25% (usage c.a. 2.6 kg/m<sup>2</sup> for 1.5 mm grain).

• Other peripherals necessary to achieve a thermal insulation as best practice.

Please follow the instructions in the "**licatatherm**®". technical manual to apply the system. Also included are miscellaneous, and other accessories even if not indicated and necessary appropriate kit. Any support to be stabilised separately is excluded. All finishing work to be performed as best practice.



1. **Rockwool Board**
2. **Raso Top Bio bonding/levelling compound**
3. **licatatherm approved fixing**
4. **licatatherm 160 mesh**
5. **Isolante LG Primer**
6. **Siloxan Color coating**



**1. Rockwool thermo-insulating panels**

Panel **licatatherm**® **ROCKWOOL DD** is a high-density panel (100 kg/m<sup>3</sup>), fire-proof in bio-soluble **rockwool** for thermal/sound insulation, complying to **ETICS** standards

**2. Bonding/levelling compound**  
\* **Raso Bio 800**

Bonding/levelling compound based on natural hydraulic lime (NHL 5) in powder form for bonding and levelling insulating panels. Particularly suitable for application cycles of a Bio nature. Completely free of Portland cement.



**3. Licata approved fixings**

Plastic or steel **licatatherm**® **fixing** for the mechanical fixing of insulation panels.

**4. Mesh**

**licatatherm**® **mesh 160** - fibreglass alkali-resistant mesh meets the highest non-tear and impact resistance standards.



**5. Primer**  
**Isolante LG Primer**

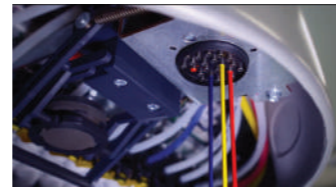
Universal primer based on siloxane copolymers and silica inerts. Ideal for stabilising before pigmentation with a range of colours with micro-coatings or paste coatings based on siloxane binders.



**6. Siloxan Color Coating**

Paste coating based on siloxane binder, ready to use with high water-repellent and excellent vapour permeability, certified according to **ETICS** standards. Boasting excellent anti-mould and anti-algae properties. To be used as a decorative finish in **licatatherm**® thermal insulation systems and in all cycles where a high water vapor permeability is required.





**licata systemcolors colouring water-based system**

Our colour system comes out of a more than twenty-year **licata** experience in the colour field, in particular, resulting in a complete range of finishes in paste. Through colour, brightness, painting and structure, **licata** products communicate and are capable of completely modifying the way a building appear to your eyes. Our colouring system is the result of more than twenty years experience in the field of shading and, in particular, resulting in a complete range of paste finishes. With colour, brightness, design and texture, the licensed products transpire a complete change of perception of a building.

COLOUR  
Catalogue **collection Exterior**

**Colour collection Exterior** is the result of continuous **R&D licata**: in our laboratories. Always at the heart of our company, the wide range of available licata finishes meets the most varied decorative requirements. Designed specifically to meet the daily needs of clients, from small retailers to large-scale distribution systems, **licata systemcolors Exterior** is considered one of the most innovative, reliable, performance and precise systems that the market can offer today. Space for safe creativity: **Colour collection Exterior** provides all the technical indications for use of shades in **licatatherm**® thermal insulation systems.

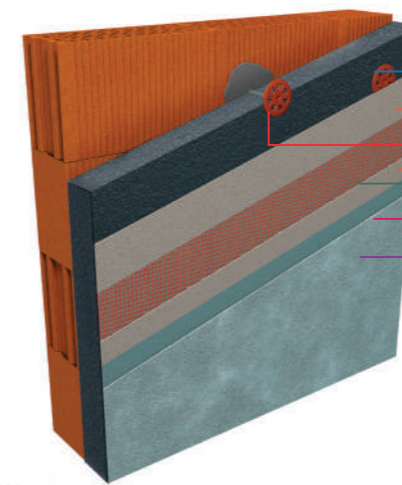
☐ - **reflective index**

The reflective index, expressed as a percentage (%), is the amount of light that is reflected from the surface between the white point (= 100%) and the black point (= 0%). The lower values indicate dark colours, which absorb a lot of sunlight, while the higher values indicate bright highly reflective colours.

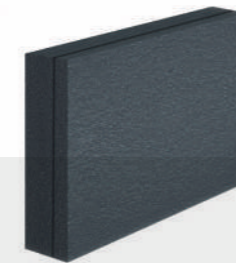
⬆ - **Indicates a shade usable in licatatherm**® insulation systems.

Some of the darker shades cannot be used for façade finishes because dark colours absorb more heat and increase the temperature range between day and night and cause thermal stress. This phenomenon, in thermal insulation systems (ETICS), can cause cracks and loosening, compromising the effectiveness of the system itself.

■ - **Indicates if the shade is practicable or not in relation to the different types of products**



- 1. graphite panel
- 2. Raso Top 800 bonding/levelling compound
- 3. licatatherm approved fixing
- 4. licatatherm 160 mesh
- 5. Isolante LG Primer
- 6. Siloxan or Acrylic coloured coating



**1. Thermally insulated EPS graphite panels**

**licatatherm**® EPS graphite - thermally insulated polystyrene panel with graphite, certified according to European standard **EN 13163**, conforming to the **ETICS** standards.



**2. RasoTop 800 Bonding/levelling compound**

Mineral bonding coating in powder form for bonding and levelling of insulation panels.



**3. Licata approved fixings**

Plastic or steel **licatatherm**® fixing for the mechanical fixing of insulation panels.



**4. Mesh**

**licatatherm**® mesh 160 - fibreglass alkali-resistant mesh meets the highest non-tear and impact resistance standards



**5. Primer**

**Isolante LG**

Universal pigmentable primer based on acrylic and inert copolymers of siliceous nature, for external use, with high coating strength and excellent smoothing properties.

**6. Siloxan Color Coating**

Paste coating based on siloxane binder, ready to use with high water-repellent and excellent vapour permeability, certified according to ETICS standards. Boasting excellent anti-mould and anti-algae properties. To be used as a decorative finish in **licatatherm**® thermal insulation systems and in all cycles where a high water vapor permeability is required.



**Lerici**

Paste coating based on acrylic binder ready to use, highly water repellent with exceptional workability certified according to **ETICS** standards. With excellent anti-mould and anti-algae properties, ideal for aesthetic/functional decoration/restoration of facades and for use with **licatatherm**® thermal insulation systems.



**Raso Top 800**

