

Oltremateria[®]

Continuous floor coating (without epoxy resins, cements and hydraulic binders) applicable by trowel in several passes on substrates in: Cement, Wood, Metal, Glass and Marble, well prepared and suitable, according to the reference standard, with layering for a thickness of approx. 2-3 mm composed of: special Fondoflex primer and adhesion promoter + white fibreglass mesh, **several coats of OLEOMALTA[®]** of various grain sizes, single-component based on innovative water-based noble polymers and sunflower oil from renewable sources, quartz, natural and certified recycled aggregates; resistant, flexible, **fire-rated for floors in class Bfl-S1 and certified anti-slip**, suitable for interiors in public environments, tested with the **B.C.R.A.** method according to Italian Ministerial Decree No. 236 dated 14-06-1989 and the latest European reference standards. **Certified and suitable for radiant floors**, non-toxic, eco-friendly, easy to maintain and always restorable.

The colouring must be carried out with water-based, UV-resistant pigments in full thickness or on the surface with glycol-free, zero V.O.C. (volatile organic compounds) colours or with oxides and natural earths.

The **Oltremateria[®]** system has obtained the simplified **L.C.A. (LIFE-CYCLE-ASSESSMENT)** documental certification, material life cycle assessment and countless certifications including the **Eurofins Indoor Air Comfort** (on air quality and VOC).

Oltremateria[®] products contribute to **LEED and CAM certification credits**.

Mortars, resins or products containing cements and/or epoxy resins are excluded a priori.

The surfaces will be protected with three coats of special transparent or coloured micro-resins, depending on the customer's requirements, **ECOMONO and ECOBICO** a high-performance, water-based protective layer with high resistance to wear and surface abrasion and HCCP-certified for food contact.

They guarantee better surface cleanability and non-proliferation of bacteria.

By applying the innovative technology with the new ECOPUR[®] protective coating, the surface will have new properties: ionising and air-purifying h 24, a physical barrier certified according to ISO 22196:2011, ISO 18184:2019 and ISO 21702:2019 against the proliferation of bacteria and viruses, even coronaviruses.

Continuous wall coating (without epoxy resins, cements and hydraulic binders), to be applied by trowel in several stages on well-prepared and suitable substrates in accordance with the reference standard, with a layer thickness of approx. 2-3 mm, consisting of Fondoflex adhesion promoter + white fibreglass mesh **where necessary, several coats of OLEOMALTA**[®] in various grain sizes where necessary, single-component based on innovative water-based noble polymers and sunflower oil from renewable sources, quartz, natural and certified recycled aggregates; resistant and flexible, non-toxic, easy to maintain and always restorable.

The colouring of the OLEOMALTE must be carried out with water-based UV-resistant pigments in full thickness or on the surface, glycol-free and with zero V.O.C. (volatile organic compounds) or with oxides and natural earths.

The **Oltremateria**[®] system has obtained the simplified **L.C.A. (LIFE-CYCLE-ASSESSMENT)** documental certification, material life cycle assessment and countless certifications including the **Eurofins Indoor Air Comfort** (on air quality and VOC).

Oltremateria[®] products contribute to **LEED and CAM certification credits**.

Mortars, resins or products containing cements and/or epoxy resins are excluded a priori.

The surfaces will be protected with two or three coats of special transparent micro-resins, as required, **ECOMONO and ECOBICO** a water-based, high-performance protective layer with high resistance to wear and surface abrasion and HCCP-certified for food contact.

It guarantees better surface cleanability and non-proliferation of bacteria.

By applying the innovative technology with the new ECOPUR[®] protective coating, the surface will have new properties: ionising and air-purifying h 24, a physical barrier certified according to **ISO 22196:2011, ISO 18184:2019 and ISO 21702:2019** against the proliferation of bacteria and viruses, even coronaviruses.

Continuous coating for stairs, steps and accessories. (without epoxy resins, cements and hydraulic binders) applicable on substrates made of: Plasterboard, Cement, Wood, Metal, Glass and Marble, well prepared and suitable according to the reference standard. It can be applied by trowel in several coats for a thickness of approx. 2-3 mm and consists of special Fondoflex adhesion promoter + white fibreglass mesh **if necessary**, (only on steps where there is a need for an aluminium profile to protect sharp edges, tread/raise),

several coats of single-component OLEOMALTA[®] based on innovative water-based noble polymers and sunflower oil from renewable sources, quartz, natural and certified recycled aggregates; resistant, flexible, **fire-rated for floors in class Bfl-S1**, suitable and certified for indoor use in public areas, non-toxic, easy to maintain and always restorable.

The colouring of OLEOMALTE must be carried out with water-based, UV-resistant pigments, in full thickness or on the surface with glycol-free and zero V.O.C. (volatile organic compounds) colours or with oxides and natural earths.

The **Oltremateria®** system has obtained the simplified **L.C.A. (LIFE-CYCLE-ASSESSMENT)** documental certification, material life cycle assessment and countless certifications including the **Eurofins Indoor Air Comfort** (on air quality and VOC).

Oltremateria® products contribute to **LEED and CAM certification credits**.

Mortars, resins or products containing cements and/or epoxy resins are excluded a priori.

The surfaces will be protected with two or three coats of special transparent micro-resins as required, **ECOMONO and ECOBICO** a water-based, high-performance protective layer with high resistance to wear and surface abrasion and HCCP-certified for food contact.

It guarantees better surface cleanability and non-proliferation of bacteria.

By applying the innovative technology of the new ECOPUR® protective coating, the surface will have new properties: ionising and air-purifying h 24, a physical barrier certified according to ISO 22196:2011, ISO 18184:2019 and ISO 21702:2019 against the proliferation of bacteria and viruses, even coronaviruses.

Technical characteristics: of the OLTREMATERIA system®

OLTREMATERIA SYSTEM is marketed in compliance with Regulation (EU) No. 305/2011, with its **CE marking** affixed to guarantee the products placed on the market. The declared performance values are guaranteed by a production system controlled and certified by SGQ (Quality Management System) **ISO 9001 2015**.

The OVERSEAS SYSTEM somebody has been subjected to the Initial Tests of Type in relation to the harmonized technical standards of reference, on the base of the own uses. These tests are essential to verify the minimum performance requirements that a typical product must have in order to be marketed. All the tests necessary to determine and verify the requirements have been carried out by the best Italian laboratories, recognized and notified to the Ministry.

In relation to its intended use, the system refers to the Harmonised Technical Standards:

UNI EN 13813:2004 (flooring)

UNI EN 1504-2:2005 (individual surface coating products)



EN 13813:2004 - EN 1504-2:2005



Production in ISO 9001:2015 quality management system

Oltremateria is a member of **CONPAVIPER**, the Italian Association of Continuous Flooring Companies and represents the companies operating in the industrial flooring, resinous coating and support screeds sectors. **CONPAVIPER is not a political or non-profit organization**, it is an Association of industrial representation. It acts in compliance with a clear statute, a strict code of ethics and strict antitrust regulations. The goal of **CONPAVIPER** is to be able to represent the companies and technicians who recognize themselves in these values, in the commitment **to support professional standards of the highest level.**

Definition: Artistic system, decorative, reported, thickness **2±0,5 mm**.
As defined by **UNI 8297**.



IS_D<5 m

Breathable and permeable to water vapor UNI EN ISO 7783: 2012 **ISD class**



Adhesion force for direct traction EN 1542 > **1.5 N / mm²**



IR10

Determination of **impact resistance** - according to EN ISO 6272-1: 2013:



standard: **B2.0**

Determination of the **adhesion force** - according to the UNI EN 13892-1



s1

FLOOR fire classification - according to UNI EN 13501-1: 2009: **Class Bfl-**



10944)

Resistance of surfaces to moist heat - EN 12721: 2009: **class A (UNI**



Permeability to capillary liquid water - according to EN 1062-3: 2008: **W<0,1 kg/m² · h^{0,5}**



Determination of dirt pick-up - according to UNI 0792 standard): **ΔL <0.2**



Surface resistance to cold liquids - EN 12720: 2009: **class F (UNI 10944)**



Determination of **wear resistance** - BCA according to UNI EN 13892-4: **AR1**



10944)

Resistance of surfaces to dry heat - EN 12722: 2009: **class C** (UNI



WATER RESISTANT

Determination of washing resistance - UNI 10560: > **5000**



Thermal Conductivity Certificate. It allows a better and heterogeneous transmission and distribution of heat in underfloor heating systems. Thermal resistance (RS) = 0.0020 / Thermal conductance (CS) = 497. Thermal conductivity (λ) = [W / (m x K)]: 0.63 * as required by **ASTM E 1530**.



Anti-slip certificate

Determination of the **dynamic friction coefficient**. "B.C.R.A." method, **071** RUBBER sole **0.52** LEATHER sole.



Lactic acid resistance certification. The test was performed in accordance with the requirements of **UNI EN ISO 175: 2010** "Plastics - Test methods for determining the effects of immersion in liquid chemicals".



The "**Indoor Air Comfort**" certification of Eurofins declares to the compliance of Oltremateria surfaces with low VOC emission criteria established in Europe. The "Indoor Air Comfort" level attests that the emissions of Oltremateria products comply with the criteria of all the legal specifications issued by the authorities of the European Union and its member states.



Oltremateria is certified A+ according to strict protocols of the European

V.O.C.



Oltremateria resin surfaces comply with **the minimum environmental criteria (CAM)** to be applied compulsorily to public procurement procedures in implementation of the new Procurement Code 2023.



Oltremateria resin surfaces comply with the German regulations in relation to **VOC emissions** as required by the strict **AgBB protocol**.



Oltremateria resin surfaces are compliant with BREEAM International and have passed the certification protocol for the sustainability of building interventions produced and maintained by the BRE (Building Research Establishment) and spread in 76 countries.



CERTIFICAZIONE VOC - RATING F**(4stelle)**

The strict Japanese tests of the "**Japan Building Coating Materials Association**" have certified that Ecomalta®/Oleomalta® and Oltremateria® system have very low VOC (Volatile Organic Compounds) emissions and do not have formaldehyde emissions, for this they have obtained the rating **F*** (Four star- 4 stars) that is the maximum expected**.



Green Building Council Italia

Oltremateria® supports and competes in earning credits and score **in the LEED certification. Credits for LEED certification.**

Oltremateria surfaces are compliant with LEED v4.1, the protocol that determines the standards for the design, construction, operation and performance of green buildings.



Oltremateria resin surfaces comply with the strict Belgian regulations for VOC emissions.



CERTIFICATION OF IONIZATION AND AIR PURIFICATION

The system OLTREMATERIA®, with ECOPUR® purifies the air in any condition of light or darkness, 24 hours a day and in a perennial manner; has thus obtained the environmental ionization certification with a **value of about 2000 ions/cm³**.

The measurement was obtained with "Alfa Lab INC" Air-Ion-Counter (USA).



CERTIFICATION

The inhibitory action of the various active substances contained has been certified by international laboratories (**Merieux Nutrisciences and Shoku.Kan-Ken INC.**) that demonstrate the effectiveness of compliance **according to ISO 21702:2019** "Measurement of antiviral activity on plastics and other non-porous surfaces" **and ISO 18184:2019**. "Determination of antiviral activity of textile products"



CERTIFICATION

The inhibitory action of the various active ingredients contained has been certified by **CSA laboratory - Accredited Research Institute Accredia No. 0181**, which demonstrates the effectiveness of compliance with **ISO 22196:2011**

"Measurement of antibacterial activity of plastics and other non-porous surfaces".



OLTREMATERIA® system meets the requirements of UNI 11021:2002 of 01/12/2002 "paints and varnishes- products and systems for the painting of environments with presence of food requirements and test methods", **HACCP D.L. 155 of 13/06/1997** and subsequent amendments and updates.



LCA analysis (simplified) obtained from OLTREMATERIA®

The **Life Cycle Assessment (LCA)** is the analysis of environmental impacts and costs related to the product system during all stages of its life cycle from the choice of materials to final disposal. It is carried out through the inventory of the flows of matter, resources, energy and emissions in and out of the system produced. The entire procedure is defined and certified by the international standards **UNI EN ISO 14040 and 14040X**. **The cycle and the products Oltremateria have an environmental impact from 5 to 8 times lower than a common epoxy resin product.**



PRODUCT LIABILITY INSURANCE

OLTREMATERIA® system has an **international R.C. product insurance policy.**