

ECOPUR® by Oltremateria®

WARNING

Before applying ECOPUR® ensure that the wallcovering (GlamDecor and/or GlamTrace) is completely dry, free of adhesive residues, stains, dust and dirt. **Any adhesive residues must be removed prior to the application of ECOPUR®. Otherwise, they cannot be removed once the product has been applied.**

1. Description

ECOPUR® is an ecoresin designed to improve the quality and healthiness of air and surfaces in indoor environments, without consuming energy. This high-performance, water-based, two-component protective agent with ionizing action helps prevent bacterial and viral proliferation. It purifies and improves the air in rooms thanks to a technology that activates in both light and dark. Moreover, ECOPUR® enhances surface wear resistance and simplifies cleaning procedures, eliminating the need for chemical detergents.

- Protective coating with specific isocyanate (Part B)
- Non-yellowing
- Good film hardness
- Excellent elasticity
- Good resistance to wear and domestic staining agents
- Low dirt pick-up
- Excellent resistance to water (excluding prolonged stagnation or immersion), solvents (not those with paint stripping function) and acid and alkaline substances
- Carefully follow the product preparation and application instructions

2. Intended use

Specifically for the final protection of GlamDecor and GlamTrace. Ideal for indoor environments subject to high traffic and requiring high hygiene standards, such as gyms, children's areas, healthcare facilities, professional kitchens, and educational institutions.

3. Preparation of the wall

- The surfaces should be clean and dry
- The wallpaper to be coated must be well adherent to the support
- For the application of the product, wait at least 48 hours after laying the wallcovering

N.B. Proper surface preparation is essential to ensure the appropriate duration of the applied materials.

4. Optimal application surface

To ensure optimal efficacy of the ECOPUR® ionising treatment, it is advisable to apply it to a wallcovering surface that equals at least one third of the total volume of the environment. To calculate the required area, multiply the dimensions of the environment in metres (width, length and height) and divide the result by three. This operation will determine the total square metres to be treated with ECOPUR®.

5. Dilution of the product

1. First coat: dilute on average up to 30% with water in addition to total A+B.
2. Second coat: dilute by up to 10% on average with water added to total A+B.

6. Product preparation and application method

1. Open the Part A package.
2. Mix, vigorously, with an electric drill mixer and propeller whisk, making sure to completely redisperse the active ingredient of ECOPUR®, which may tend to precipitate at the bottom of the container.
3. Slowly insert part B into part A in the vortex, under constant medium agitation, in the quantities already prepared, making sure to completely empty the bottle containing component B.
4. Do not interrupt mixing while combining the two components.
5. When the components are combined, continue mixing at medium-low speed for a further 3–5 minutes. Initially the viscosity of the mixture tends to increase and then decrease.
6. Then allow the mixture to rest for about 10 minutes. The mixture thus composed must be used within 3 hours.
7. Apply 2–3 coats of topcoat 4–6 hours apart with a short-haired roller or brush, keeping the product constantly stirred to prevent it from precipitating on the bottom of the container.

7. Composition

Concentrated two-component complex co-emulsion (cross-linked with aliphatic isocyanate).

8. Consumption

On average 0.05 to 0.1 (kg/m²) per coat.

9. Packaging

Quantity: 1 kg a+b
Component A: 0.82/ 4.1 kg – Component B: 0.18 kg
Coverage 6.25 m²

10. Storage

12 months in tightly closed original packaging. Store in a cool, dry place with temperature between 5°C and 35°C.

11. Cleaning

Tools can be cleaned with water. Do not dispose of cleaning water in the environment.

12. VOC (Directive 2004/42/CE)

Category Two-component high-performance paints.

Expressed in g/l product ready for use:

Part A Category VOC limit: 140.00 – VOC product: 75.00

Part B Category VOC limit: 140.00 – VOC product: 0.00

A+B Category VOC limit: 140.00 – VOC product: 61.50

13. Technical specification

COMPONENT A

| | |
|------------------|--|
| Appearance | Pasty liquid |
| Colour | Light grey |
| Odour | Characteristic |
| Chemical nature | Blend of copolymers in aqueous emulsion |
| Relative density | 1,2 g/cm ³ |
| pH | 7,5 |

COMPONENT B

| | |
|-------------------|---|
| Appearance | Liquid |
| Colour | Colourless to yellowish |
| Chemical nature | Hydrophilic aliphatic polyisocyanate |
| Relative density | Approx. 1.16 g/cm ³ Method: DIN 53217 |
| pH | Not determined due to the nature of the product |
| Dynamic viscosity | approx. 2,800 mPa.s at 23 °C Method: DIN EN ISO 3219/A.3 |

TECHNICAL APPLICATION DATA PRODUCT A+B

| | |
|---------------------------------|----------------------|
| Minimum application temperature | 10°C |
| Maximum application temperature | 30°C |
| Ambient relative humidity | ≤ 70% |
| Time of use | ≤ 3 hours |
| Touch-drying time | 4 to 6 hours at 20°C |

| | |
|-------------------------------------|----------------------|
| Walkability | 12–24 hours |
| Waiting time for next layer/overlay | 4 to 6 hours at 20°C |
| Complete cross-linking | 10/15 days |
| Capillary rising damp | ≤ 2,5% |

14. Useful advice

Product intended for professional use. Apply at temperatures above 10°C.

Do not apply at temperatures above 30°C.

Do not mix with other substances except those indicated.

Do not apply when ambient relative humidity exceeds 70%.

Shake before use. Protect against frost. Product in emulsion form.

Always carry out a preliminary test or sample.

Consumption and application methods, especially on floors, bind the operator to a precise laying technique.

An excess of product may totally compromise the success of the work.

Do not apply on damp substrates or in the presence of capillary rising damp.

Do not artificially speed up drying.

Consumption and application methods bind the operator to a precise installation practice in relation to the continuous cycle–system of reference.

15. Compliance

CE MARKING

EN 13813:2004 Synthetic resin-based screed material for internal use in buildings.

The CE marking relates to the use of the product as a component of the OLTREMATERIA SYSTEM.

EN 15824:2009 Synthetic resin based rendering material for internal use in buildings.

The CE marking relates to the use of the product as a component of the OLTREMATERIA SYSTEM

OLTREMATERIA SYSTEM

DoP no.1011 CE LABEL no.1011/1

DoP no.1033 CE LABEL no.1033/1



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17

OLTREMATERIA SYSTEM
EN 13813 SR-B2,0-AR1-IR10
DoP n.1011

Synthetic resin-based screed material for indoor use in buildings.

System of assessment and verification of constancy of performance
of the product: System 3 (EU Reg. No. 305/2011).

The reported performance values refer exclusively to the fully applied Kit-System
and not to the individual components.

Characteristics

Reaction to fire
Release of corrosive substances
Water permeability
Wear resistance BCA
Grip strength
Impact resistance
Sound insulation
Sound absorption
Thermal resistance
Chemical resistance
Release of hazardous substances

Performance

EN 13813:2004

Class Bfl-s1*
SR
NPD
AR1
B 2,0
IR 10
NPD
NPD
 $\lambda = 0,60 \text{ W}/(\text{m}\cdot\text{K})$
NPD
View SDS

LABEL CE n.1011/1



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17

OLTREMATERIA SYSTEM
EN 15824:2009
DoP n.1033

Synthetic resin-based plaster material for interior use in buildings.

System for assessment and verification of constancy of product
performance: System 3 (EU Reg. No. 305/2011).

The performance values shown refer exclusively to the fully applied Kit-System
and not to the individual components.

Characteristics

Reaction to fire
Release of corrosive substances
Water vapour permeability
Water absorption
Adhesion
Thermal conductivity
Durability
Release of hazardous substances

Performance

EN 13813:2004

Cs1 d0*
SR
Not applicable
Not applicable
2,0 MPa
 $\lambda = 0,60 \text{ W}/(\text{m}\cdot\text{K})$
Not applicable
View SDS

LABEL CE n. 1033/1

ECOBICO ECOPUR A+B
EN 1504-2:2005 Surface protection systems.
The CE marking refers to the product ECOBICO ECOPUR A+B
DoP no.1055
EC LABEL No.1055/1



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18
ECOBICO ECOPUR A+B
UNI EN 1504-2:2005
DoP n.1055
SURFACE PROTECTION SYSTEMS
Coating C

System for assessing and verifying the constancy of product performance:
System 4 (EU Reg. No. 305/2011)

Performance

Direct tensile adhesion strength (EN 1542)
Water vapour permeability (EN ISO 7783:2012)
Capillary absorption and liquid water permeability
(UNI EN 1062-3:2008)
Fire reaction class
Hazardous substances

Values

>2N/mm²
Class I
W <0,1 kg/m² x h^{0,5}
F
View SDS

LABEL CE n. 1055/1

16. Warnings

- Product for professional use.
- Follow the national regulations.
- Make sure that the surface is perfectly clean, dry and planar.
- If necessary, require the safety data sheet.
- For any information that is not provided, please consult the Glamora assistance service T +39 0536.076.403 – contact@glamora.it