

DATA SHEET**NEW EMISSION:** n.1/2023

It replaces all previous ones

ECOBICO-ECOPUR A+B

Product code:**ECOBICO ECOPUR PARTE A****ECOBICO PARTE B****Code ISS**Company Code: **03819090402**Prepared code (referring to part B): **ECMT TFL08B****Part B**

Number CAS: 160994-68-3 - Registration Number: exempt art. 2.9 REACH

DESCRIPTION

Two-component, self-cleaning, water-based protective product with ionizing action, with the addition of a mixture of salts and micro-particle minerals in powder form, capable of creating a physical barrier against the adhesion of all organic and inorganic particles and against bacterial proliferation and viral. It purifies the air in rooms 24 hours a day thanks to a technology capable of being activated in both light and darkness. This action remains active permanently as long as the presence of ECOPUR persists on the surface. Protective to be cross-linked with specific isocyanate (part B). Not yellowing. Good hardness of the film. Excellent elasticity. Can be used transparent or coloured. Good resistance to wear and domestic staining agents.

Low dirt pick-up.

Excellent resistance to water (excluding cases of prolonged stagnation or immersion), to solvents (not those with a paint stripping function) and to acid and alkaline substances.

Carefully follow the Application Guide which involves the use of ECOBICO ECOPUR(A+B) in the OLTREMATERIA SYSTEM.**COMPOSITION**

Two-component concentrated water-based complex co-emulsion (cross-linked with aliphatic isocyanate) also contains mixtures of micro-particle mineral salts in powder form.

FIELDS OF APPLICATION

Protective suitable for indoor environments, suitable for continuous surfaces and resinous systems.

Specific for the final protection of ECOMALTE/OLEOMALTE, floors, walls, ceilings, wallpapers, furniture, furnishing elements, PVC, ceramic, stoneware, stone, wood, iron, cast iron, steel, metals in general.

PRODUCT PREPARATION AND APPLICATION METHODS

Open the package relating to part A.

Mix vigorously with an electric drill-mixer and a propeller whisk, making sure to completely redisperse the active ingredient of ECOPUR until it becomes fluid and homogeneous, which could tend to precipitate to the bottom of the container. Slowly insert part B into part A in the quantities already prepared, making sure to completely empty the bottle containing component B, into the vortex, under constant medium stirring.

Do not stop mixing while combining the two components.

Once the components have been combined, continue mixing at medium-low speed for another 3-5 minutes.

Initially the viscosity of the mixture tends to increase and then decreases.

Then leave the preparation to rest for approximately 5-10 minutes.

ECOMAT srl

Via al mare 20

47842 San Giovanni in Marignano 20 (RN)

0541 827276 fax 0541 957874

info@oltremateria.itecomatsrl@cgn.legalmail.it

P.I. 03819090402

The mixture thus composed must be used within 3 hours. Spread 2-3 coats of finish 4-6 hours apart with a short-haired roller or brush, keeping the product constantly stirring so as to avoid the precipitation of the micro salt charges on the bottom of the container.

It is advisable to carry out preventive sample control tests on the various supports used or to color the ECOPUR finish, so as not to highlight too much the small sands of ionizing salts inside the light gray color which will not dissolve completely in the mixture and more visible if kept transparent.

Apply on perfectly dry ECOMALTE or OLEOMALTE (on average 24 hours after applying the last coat of Oleomalta fine 200 or 250 or Ecocream).

In reference to the OLTREMATRIA SYSTEM

1. ECOBICO ECOPUR TRANSPARENT

First coat: dilute on average up to 30% with additional water on the total A+B.

Second coat: dilute on average up to 10% with additional water on the total A+B.

Third coat: dilute on average up to 5-10% with additional water on the total A+B.

2. ECOMONO + ECOBICO ECOPUR TRANSPARENT

Prima mano: applicare ECOMONO diluito mediamente fino al 30%.

Second coat: apply ECOBICO ECOPUR A+B and dilute on average up to 10% with additional water on the total A+B. Third coat:

apply ECOBICO ECOPUR A+B and dilute on average up to 5-10% with additional water on the total A+B.

3. ECOBICO ECOPUR COLORED

Prima mano: diluire mediamente fino al 10% con acqua in aggiunta sul totale A+B COLORATO.

Second coat: dilute up to 5% with additional water on the total A+B COLORED.

Third coat: dilute up to 5% with additional water on the total A+B COLORED.

ECOBICO ECOPUR COLORED

Enter the specific dye from the OL series.

The dye must be inserted, before joining the two components, in part A.

Percentage of dye: between 15% and 20% of the total A+B.

Take care to shake the dye vigorously before adding it and always keep the mixture stirred during application so as not to let the charges sink to the bottom of the container.

Apply ECOMONO and ECOBICO ECOPUR A+B on ECOMALTE/OLEOMALTE or other suitable, perfectly dry surfaces (on average 24 hours after applying the last coat of Ecomalta/Oleomalta)

Before applying the product, make sure that the installation surface is perfectly dry and free of dust.

Apply the product with a brush or roller, taking care to distribute it evenly.

Apply the product with a brush or roller, taking care to distribute it evenly.

The supports must be made or prepared according to the manufacturer's directives in relation to the cycle system used.

At least 4-6 hours must pass between one coat and the other in favorable climatic conditions.

Do not leave more than 12 hours between one coat and another of the product.

Do not apply in areas subject to water stagnation.

INDICATIVE CONSUMPTION

It varies based on the characteristics of the support surface and the type of continuous cycle-system of reference.

On average from 0.05 to 0.1 [kg/m²] per coat.

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PACKAGING

Amount: 1-5 [kg] a+b
 Part A 0,82/ 4,1 [kg]
 Part B: 0,18/ 0,9 [kg]

STORAGE

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

CLEANING

Tools can be cleaned with water. Do not disperse the washing water into the environment.

COV (DIRETTIVA 2004/42/CE)

Category High performance two-component paints.
 Expressed in g/l ready-to-use product:
Part A Category VOC limit: 140,00 - COV product: 75,00
Part B Category VOC limit 140,00 - COV product:: 0,00
A+B Category VOC limit: 140,00 - COV product:: 61,50

PRODUCT DATA

Part A

Product appearance	Pasty liquid
Color	Light grey
Odor	Characteristic
Chemical nature	Mixture of copolymers in aqueous emulsion, with added salts and particulate minerals
Relative density	1,2g/cm ³
pH	7,5

Part B

Product appearance	Liquid
Color	Colorless 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%
Usage time	≤ 3 hours
Touch dry time	da 4 a 6 hours a 20°C
Walkability	12-24 hours
Waiting time for next layer/overlay	da 4 a 6 hours a 20°C
Complete cross-linking	10/15 days
Humidity rising capillary support	≤ 2,5%

USEFUL TIPS

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

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Do not apply at temperatures above 30°C. Do not mix with other substances other than those indicated.
Do not apply in conditions of environmental relative humidity higher than 70%.
Shake before using. Fear the frost. Product in emulsion.
Always carry out a preliminary test or sample.
Consumption and application methods, especially on floors, bind the operator to a precise installation technique.
An excess of product can totally compromise the success of the work.
Do not apply on damp supports or in the presence of capillary rising humidity.
Do not artificially speed up drying.
Consumption and application methods bind the operator to a precise installation practice in relation to the continuous system cycle of reference.

CONFORMITY
MARKING CE

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

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

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

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

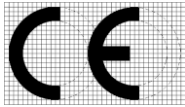
OLTREMATERIA SYSTEM

DoP n.1011 LABEL CE n.1011/1

DoP n.1033 LABEL CE n.1033/1

ETICHETTA CE n.1011/1
ETICHETTA CE n. 1033/1
ECOBICO ECOPUR A+B
EN 1504-2:2005 Sistemi per la protezione delle superfici.

La marcatura CE è riferita al prodotto ECOBICO ECOPUR A+B
DoP n.1055
ETICHETTA CE n.1055/1

	ECOMAT SRL Via al mare 20 47842 San Giovanni in Marignano (RN) ITALIA info@oltremateria.it
<p style="text-align: center;">18</p> <p style="text-align: center;">ECOBICO ECOPUR A+B UNI EN 1504-2:2005 DoP n.1055 SISTEMI PROTEZIONE SUPERFICI Rivestimento C</p> <p style="text-align: center;">Sistema di valutazione e verifica della costanza della prestazione del prodotto: Sistema 4 (Reg. UE n. 305/2011).</p>	
Prestazioni	Valori
_FORZA DI ADERENZA PER TRAZIONE DIRETTA EN 1542	>2N/mm ²
_PERMEABILITA' AL VAPORE ACQUEO UNI EN ISO 7783:2012	Classe I
_ASSORBIMENTO CAPILLARE E PERMEABILITA' ALL'ACQUA LIQUIDA UNI EN 1062-3:2008	W <0,1 kg/m ² · h ^{0,5}
_CLASSE DI REAZIONE AL FUOCO	F
_SOSTANZE PERICOLOSE	VEDERE SDS

ETICHETTA CE n.1055/1

Il fornitore garantisce che il prodotto non si deteriorerà nelle normali condizioni di stoccaggio ed impiego. Le informazioni sopra descritte corrispondono alla ns esperienza e alle ns prove. Tuttavia sono da considerarsi indicative e devono essere confermate da applicazioni pratiche. Prima dell'utilizzo verificare l'idoneità del prodotto all'uso o all'impiego previsto. L'operatore si assume ogni responsabilità che deriva dall'uso del prodotto. Prodotto ad uso professionale. La ECOMAT srl, non potendo controllare direttamente le condizioni e modalità di posa non si assume alcuna responsabilità derivante dalla messa in opera dei suoi prodotti. Chi intende usare i ns prodotti dovrà condurre adeguate prove di cantiere per verificare l'idoneità dell'utilizzo previsto e il corretto aspetto estetico.

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