

**DATA SHEET****OLEOMALTA BASE + SEA SHELLS AND OYSTERS****(OIL-MORTAR BY THE SEA)****Ecomat s.r.l. exclusive product****DESCRIPTION**

Special combination between OLEOMALTA and SEA SHELLS.

It allows you to create particular highly material or smoother effects based on the chosen combination, enhancing the naturalness and uniqueness of the surfaces created.

Specific product for decorative smoothing aimed at creating continuous surfaces, in particular in the field of floors, walls, coverings and furniture.

**OLEOMALTA BASE** is a single-component paste base containing a special polymeric mixture characterized by ingredients deriving from renewable sources of vegetable oil nature and selected mineral fillers.

Applicable with a spatula in all its versions.

**Modular product.**

OLEOMALTA BASE allows you to create **OLEOMALTA A MARE** in all its Fine, Medium and Maxi versions:

OLEOMALTA BASE with addition of **marine shells Type 0, Type 1,**

Add the specific pre-measured fillers to obtain all versions of OLEOMALTA A MARE.

7 kg package: add desired pre-measured charge **of 3 kg Type 0; from 6 kg Type 1.**

14 kg package: add desired pre-measured charge **of 6 kg Type 0; from 12 kg Type 1.**

**SEA SHELLS**

Natural color of sea shells and oysters.

**COMPOSITION**

Single-component formula based on a special mixture of copolymers in aqueous emulsion, with ingredients deriving from renewable sources of vegetable oil nature, selected mineral fillers and sea shells.

Free from lime, cement and gypsum.

**FIELDS OF APPLICATION**

Floors, Walls. Internal ambients. Furniture and design.

Plasters, cement-based smoothing compounds and cement-based adhesives (after appropriate preparation of the base).

Also applicable on existing surfaces based on the reference system (after appropriate preparation of the base).

**APPLICATION PROCEDURE**

Check the objective consolidation of the support before proceeding with the desired continuous system.

The supports must be dry, compact, stable, resistant, mature and free of cracks or cracks.

The supports must be clean and free from stains of oil, grease, paint, wax or in any case from substances that can be removed chemically, mechanically or through simultaneously chemical and mechanical action.

The preparation of the substrate requires careful preliminary checks.

Before the intervention, evaluate that there is no rising humidity and make sure that the support has been created in full compliance with the required and declared performance levels.

Proceed with any restoration works on the installation surface using specific products for the repair of concrete (cracks, fissures, shrinkage, etc.).

For further information, we invite you to consult our **APPLICATION GUIDE** in the dedicated sections.

**SUPPORT PREPARATION PHASES**

**To prepare the support, consult our application guide**

**ECOMAT s.r.l.**

47842 San Giovanni in Marignano (RN) Via al Mare 20 – ITALIA

Tel (+39) 0541 827276 Fax (+39) 0541 957874

info@oltremateria.it ecomatsrl@cgn.legalmail.it C.F. P.IVA 03819090402

## **OLEOMALTA A MARE FINE VERSION**

### **Floor and wall covering cycle**

<b>COLLECTION</b>	A MARE
<b>VERSION</b>	FINE
<b>DESCRIPTION</b>	Innovative surface that can be created exclusively with OLEOMALTA BASE mixed with aggregates from the certified recycling circuit. Inert materials are marine shells and oyster shells.

#### **First step**

<b>OLEOMALTA BASE</b>	<b>TYPE 1 INERT</b>	<b>AVERAGE CONSUMPTION kg/m<sup>2</sup></b>	<b>% RECYCLED INERT</b>
7-14 Kg	6-12 Kg	1,8-2,0	Ca. 46%

For floor applications, it is recommended to add up to 5-6% max of water to facilitate processing (proceed gradually until the desired consistency). Mix thoroughly with electric mixer and propeller whisk.

Apply with a metal spatula, taking care to follow the internal grain size as an indicator of the achievable thickness. Spread the product, smoothing the grain size to zero and leaving no excess

Proceed with the application of the product gradually and evenly, always keeping a bead of a few cm thick while applying it, so as not to create aesthetic signs of sticking.

The indicated consumption must be respected for the purposes of correct execution and performance of the work.

Waiting time after application in favorable climatic conditions (approximately T 23°C-RH 50%): at least 10-12 hours. After 10-12 hours, check the objective walkability based on drying.

Once completely dry, perform mechanical sanding with a single brush and specific 40 -60 grit abrasive papers depending on the case and the desired texture.

Carry out the sanding operation evenly and in a criss-cross pattern. Don't dwell too much on one point. Equip sanding machinery with a suction unit.

Once finished, vacuum up the dust and residues thoroughly.

Be sure to wipe with a damp cloth to collect impurities and dust residues.

#### **Second Step**

<b>OLEOMALTA BASE</b>	<b>TYPE 0 INERT</b>	<b>AVERAGE CONSUMPTION kg/m<sup>2</sup></b>	<b>% RECYCLED INERT</b>
7-14 Kg	3-6 Kg	0,6	Ca. 30%

For floor applications, it is recommended to add up to 4% water to aid processing (proceed gradually until the desired consistency). Mix thoroughly with electric mixer and propeller whisk.

Apply with a steel trowel.

The spreading of the product is functional to the grouting of the underlying coat.

The indicated consumption must be respected for the correct execution of the work and its performances.

Waiting time after application in favorable climatic conditions (approximately T 23°C-RH 50%): at least 8 -10 hours.

Once completely dry, perform mechanical sanding with a single brush and specific 60-80-100 grit abrasive papers depending on the case and the desired texture.

Carry out the sanding operation evenly and in a criss-cross pattern. Don't dwell too much on one point.

Equip sanding machinery with a suction unit.

Once finished, vacuum up the dust and residues thoroughly.

Be sure to wipe with a damp cloth to collect impurities and dust residues.

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### Third step

OLEOMALTA BASE	TYPE 0 INERT	AVERAGE CONSUMPTION kg/m <sup>2</sup>	% RECYCLED INERT
7-14 Kg	3-6 Kg	0,6	Ca. 30%

For floor applications, it is recommended to add up to 4-5% water to aid processing (proceed gradually until the desired consistency). Mix thoroughly with electric mixer and propeller whisk.  
Apply with a steel or rubber spatula depending on the type of finish desired.  
The spreading of the product is functional to the grouting of the previous coat, underneath.  
The indicated consumption must be respected for the correct execution of the work.  
Waiting time after application in favorable climatic conditions (approximately T 23°C-RH 50%): at least 8-10 hours.

Once completely dry, perform mechanical sanding with a single brush and specific 80-100 grit abrasive papers depending on the case and the desired texture.  
Carry out the sanding operation evenly and in a criss-cross pattern. Don't dwell too much on one point.  
Equip sanding machinery with a suction unit.  
Once finished, vacuum up the dust and residues thoroughly.  
Be sure to wipe with a damp cloth to collect impurities and dust residues.

After perfect drying and no earlier than 24 hours after the last coat of Oleomalta, apply Mono 4.1.1 diluted with water 1:1

After perfect drying for approximately 8-10 hours, proceed with the final protection and application of two coats of Ecobico or Ecopur as per the technical manual.  
The times highlighted here may vary based on the conditions, temperatures and humidity levels of the construction site.

## **OLEOMALTA A MARE MEDIUM VERSION**

### Floor covering cycle

<b>COLLECTION VERSION DESCRIPTION</b>	A MARE MEDIUM Innovative surface that can be created exclusively with OLEOMALTA BASE mixed with aggregates from the certified recycling circuit. Inert materials are marine shells and oyster shells.
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### First step

OLEOMALTA BASE	TYPE 1 INERT	AVERAGE CONSUMPTION kg/m <sup>2</sup>	% RECYCLED INERT
7-14 Kg	6-12 Kg	2,0-2,2	Ca. 46%

For floor applications, it is recommended to add up to 6% water to aid processing (proceed gradually until the desired consistency). Mix thoroughly with electric mixer and propeller whisk.  
Apply with a metal spatula, taking care to follow the internal grain size as an indicator of the achievable thickness. Spread the product, smoothing the grain size to zero and leaving no excess.  
Proceed with the application of the product gradually, working in small areas or spaces (approximately 10 m<sup>2</sup> at a time). The indicated consumption must be respected for the correct execution of the work.

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Moisten the newly created surface area with a spray pump or nebulizing pump in a uniform and controlled manner, from top to bottom. Then carry out a dusting while fresh using TYPE 2 INERT.

It is advisable to carry out dusting with nailed shoes using a sieve container or a perforated bucket.

Alternatively, carry out rain dusting with a shovel, letting the aggregate fall from top to bottom. In any case, dusting must be regular and uniform with a full bed.

Cover the entire surface.

Dusting must comply with a consumption of between 2.5 kg/m<sup>2</sup> and 3 kg/m<sup>2</sup>.

Then dab with a short-haired Mohair roller to ensure perfect uniformity of the dusting. This intervention will be fundamental to guarantee the correct coupling between the spread material and the dusting. Proceed by area following the indicated procedure.

The size of the work area is determined by the number of operators present and the general conditions of the construction site.

Waiting time after application in favorable climatic conditions (approximately T 23°C-RH 50%): at least 12 hours. Remove excess dust only if the surface is perfectly dry and walkable.

After 12 hours, check the objective walkability based on drying.

Proceed with removing the dust. Vacuum the surface perfectly.

<b>MONO 4.1.1.</b>	<b>DILUTED WITH WATER 1:1</b>	<b>AVERAGE CONS OF DILUTED PRODUCT kg/m<sup>2</sup></b>	<b>AVERAGE CONS OF PURE PRODUCT kg/m<sup>2</sup></b>
<b>1-5</b>	<b>1-5</b>	<b>0,4</b>	<b>0,2</b>

Apply one coat of MONO 4.1.1, diluted with water from 60% to 100% as appropriate. Mix MONO 4.1.1. with WATER with a drill and whisk until the solution is homogenized. Application with roller.

Consumption: 500 g diluted product – 250 g of pure product.

Leave to dry 12 hours after application.

We recommend carrying out an initial sanding with 5 Swediam spiral diamond metal discs, 30 grain and 100mm diameter. Then sand with 5 hybrid pads, resin and metal, Terminator Swediam grit 50.

It is better if the sander plate is rigid or semi-rigid, check the type of sander to use depending on the type of intervention (better single-brush with weights, or Levigator 50-60 kg).

Carry out the sanding operation evenly and in a criss-cross pattern.

Don't dwell too much on one point. Cross sanding in two steps.

The purpose of sanding is to flatten the aggregate to make the surface more receptive to the subsequent spreading phases. Act only and exclusively when you have ensured that the surface is perfectly dry.

Do not perform destructive sanding that could irreversibly damage the dust. Equip sanding machinery with a suction unit.

Once finished, vacuum up the dust and residues thoroughly.

Be sure to wipe with a damp cloth to collect impurities and dust residues.

Second step

<b>OLEOMALTA BASE</b>	<b>TYPE 1 INERT</b>	<b>AVERAGE CONSUMPTION kg/m<sup>2</sup></b>	<b>% RECYCLED INERT</b>
<b>7-14 Kg</b>	<b>3-6 Kg</b>	<b>1,0-1,2</b>	<b>Ca. 30%</b>

For floor applications, it is recommended to add up to 4% water to aid processing (proceed gradually until the desired consistency). Mix thoroughly with electric mixer and propeller whisk.

Apply with a steel trowel.

The spreading of the product is functional to the grouting of the underlying coat.

The indicated consumption must be respected for the correct execution of the work.

Waiting time after application in favorable climatic conditions (approximately T 23°C-RH 50%): at least 12 hours

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Then perform a mechanical sanding with 5 hybrid Pads, resin and metal, 30 grain Swediam Terminator then a second pass with hybrid Pads, metal resin, 60 grain Swediam Terminator  
Alternatively, use 50 grain metal pads (brazed flat Swediam), crossing the sanding hands well, for a more homogeneous surface

Carry out the sanding operation evenly and in a criss-cross pattern.

Don't dwell too much on one point.

Equip sanding machinery with a suction unit.

Once finished, vacuum up the dust and residues thoroughly.

Be sure to wipe with a damp cloth to collect impurities and dust residues.

### Third step

**OLEOMALTA BASE  
EXTRA FINE**

**AVERAGE CONSUMPTION kg/m<sup>2</sup>**

**7-14 Kg**

**0,350 kg/m<sup>2</sup>**

Grout extra fine basic oil mortar with a rubber spatula and then sand with 5 hybrid pads, resin and metal, 30 grit Swediam Terminator and in a second step with 60 grit Swediam resin pads. Always cross the sanding steps. For the final finishing sanding, use diamond resinoid pads (Swediam Diagres wd Cassani or Diagres VLC dry) 80-100 in order to make the surface smoother.

After perfect drying and no earlier than 24 hours after the last coat of Oleomalta, apply Mono 4.1.1 diluted with water 1:1

After perfect drying for approximately 8-10 hours, proceed with the final protection and application of two coats of Ecobico or Ecopur as per the technical manual

Inert recycling impact on the finished product from 53% to 65% depending on the cycles and construction site conditions

## **OLEOMALTA A MARE MAXI VERSION**

### Floor covering cycle

**COLLECTION  
VERSION  
DESCRIPTION**

A MARE  
MAXI

Innovative surface that can be created exclusively with OLEOMALTA BASE mixed with aggregates from the certified recycling circuit.  
Inert materials are marine shells and oyster shells.

### First step

**OLEOMALTA BASE**  
7-14 Kg

**TYPE 1 INERT**  
6-12 Kg

**AVERAGE CONSUMPTION kg/m<sup>2</sup>**  
2,0-2,2

**% RECYCLED INERT**  
Ca. 46%

For floor applications, it is recommended to add up to 6% water to aid processing (proceed gradually until the desired consistency). Mix thoroughly with electric mixer and propeller whisk.

Apply with a metal spatula, taking care to follow the internal grain size as an indicator of the achievable thickness. Spread the product, smoothing the grain size to zero and leaving no excess

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Proceed with the application of the product gradually, working in small areas or spaces (approximately 10 m<sup>2</sup> at a time). The indicated consumption must be respected for the correct execution of the work.

Moisten the newly created surface area with a spray pump or nebulizing pump in a uniform and controlled manner, from top to bottom. Then, while it is still fresh, dust it using TYPE 3/4 INERT.

It is advisable to carry out dusting with nailed shoes using a sieve container or a perforated bucket.

Alternatively, carry out rain dusting with a shovel, letting the aggregate fall from top to bottom. In any case, dusting must be regular and uniform with a full bed.

Cover the entire surface.

Dusting must comply with a consumption of between 2.5 kg/m<sup>2</sup> and 3 kg/m<sup>2</sup>.

Then dab with a short-haired Mohair roller to ensure perfect uniformity of the dusting. This intervention will be fundamental to guarantee the correct coupling between the spread material and the dusting. Proceed by area following the indicated procedure.

The size of the work area is determined by the number of operators present and the general conditions of the construction site.

Waiting time after application in favorable climatic conditions (approximately T 23°C-RH 50%): at least 12 hours. Remove excess dust only if the surface is perfectly dry and walkable.

After 12 hours, check the objective walkability based on drying.

Proceed with removing the dust. Vacuum the surface perfectly

<b>MONO 4.1.1.</b>	<b>DILUTED WITH WATER 1:1</b>	<b>AVERAGE CONS OF DILUTED PRODUCT kg/m<sup>2</sup></b>	<b>AVERAGE CONS OF PURE PRODUCT kg/m<sup>2</sup></b>
<b>1-5</b>	<b>1-5</b>	<b>0,4</b>	<b>0,2</b>

Apply one coat of MONO 4.1.1, diluted with water from 60% to 100% as appropriate. Mix MONO 4.1.1. with WATER with a drill and whisk until the solution is homogenized. Application with roller.

Consumption: 500 g diluted product – 250 g of pure product.

Leave to dry 12 hours after application.

We recommend carrying out an initial sanding with 5 Swediam spiral diamond metal discs, 30 grain and 100mm diameter. Then, sand with 5 hybrid pads, resin and metal, Swediam Terminator 50 grit. Better if the sander plate is rigid or semi-rigid, check the type of sander to be used depending on the type of intervention (better single-brush with weights, or Levigator 50-60kg).

Carry out the sanding operation evenly and in a criss-cross pattern.

Don't dwell too much on one point. Cross sanding in two steps.

The purpose of sanding is to flatten the aggregate to make the surface more receptive to the subsequent spreading phases. Act only and exclusively when you have ensured that the surface is perfectly dry.

Do not perform destructive sanding that could irreversibly damage the dust. Equip sanding machinery with a suction unit.

Once finished, vacuum up the dust and residues thoroughly.

Be sure to wipe with a damp cloth to collect impurities and dust residues .

Second step

<b>OLEOMALTA BASE</b>	<b>TYPE 1 INERT</b>	<b>AVERAGE CONSUMPTION kg/m<sup>2</sup></b>	<b>% RECYCLED INERT</b>
<b>7-14 Kg</b>	<b>3-6 Kg</b>	<b>1,5-1,6</b>	<b>Ca. 30%</b>

For floor applications, it is recommended to add up to 4% water to aid processing (proceed gradually until the desired consistency). Mix thoroughly with electric mixer and propeller whisk.

Apply with a steel trowel.

The spreading of the product is functional to the grouting of the underlying coat.

The indicated consumption must be respected for the correct execution of the work.

Waiting time after application in favorable climatic conditions (approximately T 23°C-RH 50%): at least 12 hours.

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Then carry out a mechanical mechanical sanding with 5 hybrid pads, resin and metal, 30 grit Swediam Terminator then a second pass with hybrid pads, metal resin, 60 grit Swediam Terminator. Alternatively, use 50 grain metal pads (brazed flat Swediam), crossing the sanding hands well, for a more homogeneous surface

Carry out the sanding operation evenly and in a criss-cross pattern. Don't dwell too much on one point. Equip sanding machinery with a suction unit. Once finished, vacuum up the dust and residues thoroughly. Be sure to wipe with a damp cloth to collect impurities and dust residues.

### Third step

#### OLEOMALTA BASE EXTRA FINE

#### AVERAGE CONSUMPTION kg/m<sup>2</sup>

7-14 Kg

0,350 kg/m<sup>2</sup>

Grout extra fine basic oil mortar with a rubber spatula and then sand with 5 hybrid pads, resin and metal, 30 grit Swediam Terminator and in a second step with 60 grit Swediam resin pads. Always cross the sanding steps. For the final finishing sanding, use diamond resinoid pads (Swediam Diagres wd Cassani or Diagres VLC dry) 80-100 in order to make the surface smoother.

After perfect drying and no earlier than 24 hours after the last coat of Oleomalta, apply Mono 4.1.1 diluted with water 1:1

After perfect drying for approximately 8-10 hours, proceed with the final protection and application of two coats of Ecobico or Ecopur as per the technical manual

Inert recycling impact on the finished product from 53% to 65% depending on the cycles and construction site conditions

### PACKAGING

OLEOMALTA BASE Material: plastic. Bucket. Quantity: 7-14 [kg]

SEA SHELLS AND OYSTERS: Type 0 and 1 bag 3 [kg]; Type 2 and 3/4 25 [kg. bag

### 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.

### VOC (DIRECTIVE 2004/42/EC)

High performance single-component paints category.

Expressed in g/l, ready-to-use product.

Category VOC limit: 140.00

Product VOC:

57.11 basic version

with added charges: 39.98

### PRODUCT DATA OLEOMALTA BASE

Appearance Pasta

Color White

Smell of paint

Chemical nature Single-component formulation based on a special mixture of copolymers in aqueous emulsion and selected mineral fillers, coming from certified recycling.

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Relative density 1.7 g/cm<sup>3</sup>  
pH 8

## PRODUCT DATA SEA SHELLS AND OYSTERS

Appearance – Physical state	Solid
Color	Natural color of sea shells and oysters
Chemical nature	Calcium carbonate of organic nature
pH	9.5
shape	Angular

## TECHNICAL-APPLICATION DATA

Minimum application temperature	10°C
Maximum application temperature	30°C
Ambient relative humidity	≤ 70%
Waiting time for next product (protective)	24 hours at 20°C
Solubility	Water soluble
Support capillary rising humidity.	≤ 2.5%

## USEFUL TIPS

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

Apply at temperatures above 10°C.

Do not apply at temperatures above 30°C.

Do not mix with other substances other than those indicated.

Shake before use using a mixer-drill and whisk.

Do not apply in conditions of environmental relative humidity higher than 70%.

Fear the frost. Product in emulsion.

Do not artificially speed up drying.

Do not use in correspondence with expansion joints, structural cracks or in the presence of vertical differential movements.

Once dry, the product does not undergo particular shrinkage and does not form cracks.

Consumption and application methods, especially on floors, require the operator to use a precise and correct installation technique.

An excess of product on the floor can totally compromise the success of the continuous cycle or system applied.

The drying of the product is strictly linked to the temperature and degree of ventilation of the support

## TRANSPORT

The product is not to be considered dangerous pursuant to the provisions in force regarding the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

The supplier guarantees that the product will not deteriorate under normal conditions of storage and use. The information described above corresponds to our experience and tests, is to be considered indicative and must be confirmed by practical applications. Before use, check the suitability of the product for the intended use or purpose. The operator assumes all responsibility deriving from the use of the product. Product for professional use. ECOMAT srl, not being able to directly control the conditions and methods of installation, does not assume any responsibility deriving from the installation of its products. Anyone who intends to use our products must conduct adequate site tests to verify the suitability of the intended use.

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