



# Plastering & Repair Mortars

## ISOMIX ONE COAT PLASTER

Technical Data Sheet

Reviewed: 06.06.2015



### DESCRIPTION

**ISOMIX ONE COAT PLASTER** is a one-coat application white plaster, suitable for interior and exterior building surfaces. It contains high strength white Portland cement, hydrated lime, selected fillers and special additives that offer excellent adhesion on most substrates. It offers a very rapid and easy application.

### ADVANTAGES

- High strength
- Excellent adhesion
- Moisture and frost resistant
- Does not crack nor shrink
- Interior and exterior use
- Rapid and easy application

### APPLICATIONS

- One coat plastering of interior and exterior building surfaces.
- It replaces the application of mortar and final plaster in one coat. It is applied over a layer of spray-applied anchoring plaster.

### INSTRUCTIONS FOR USE

#### Substrate preparation

1. Substrates must be clean, free of oily residues, loose materials, dust etc.
2. Surfaces must be thoroughly dampened prior to plastering especially during high temperatures. Apply one coat of spray-applied anchoring plaster.
3. Protruding irons and reinforcing materials should be cut off. Apply ISOMIX FERRO PRIME for rust protection and anchoring at the points of contact with the plaster.
4. Extremely absorbent surfaces, such as aerated concrete blocks must be primed using acrylic resin ISOMIX RESIN ACR 300.
5. The use of angle beads will speed up application, provide strong surfaces on wall edges and even help ensure wall flatness. They are placed on wall edges, beams, on window sills etc. Angle beads should be placed one day before plastering to achieve full stability. Leveling is performed at the same time as fixing in order to achieve perfect horizontal and vertical edges.

6. Application of a reinforcing mesh is necessary for binding different building materials as well as to prepare gutters for electrical or plumbing installations. The mesh should be placed 0,5cm deep for a layer 2cm thick.
7. For thermal insulation boards (extruded or expanded polystyrene) the application of fibre-reinforced mortar adhesive reinforced with mesh as first coat is recommended. The mesh must bind board joints, as well as joints between boards and the remaining building materials.

### Mixing instructions

1. Mixing ratio is 6 kg of water for 25kg of **ISOMIX ONE COAT PLASTER**.
2. Use a low speed electrical mixer, a continuous mixing machine or a rotating mixer. Add the appropriate quantity of water and gradually under constant stirring add **ISOMIX ONE COAT PLASTER**. Stir well for 4-5 minutes till a uniform viscous mixture with desired workability is formed.
3. The working time of the mixture is approximately 2 hours.

### Application

1. Apply **ISOMIX ONE COAT PLASTER** in a layer up to 2 cm thick, using an operated machine or a trowel.
2. Allow plastered surface to cure for 30 minutes – 1 hour depending on ambient temperature. The plaster is then smoothed by hand, using a metallic spatula.
3. Dampen the surface and proceed to final smoothing using a polystyrene board or a rough sponge.
4. Final surfaces are ready for further treatment with acrylic surface filler ISOMIX WALL STUCCO and painting.
5. For plastering thickness more than 2cm two coats of 1-2 cm thickness are recommended.
6. The second coat can be applied when the first has been completely cured. (1-10 days depending on ambient temperature and humidity)

### CLEANING

Remove as much material as possible from tools before cleaning. Clean all equipment immediately after use with soapy water.

### REMARKS

- Avoid application on surfaces exposed to direct sunlight during summer period.
- Do not add excess water since this will result in cracking and decrease bonding strength.
- Do not over-stir the plaster mixture. Apply within 30 – 60 minutes.

### COVERAGE

Approximately 12kg of drymix /m<sup>2</sup> per layer of 1cm thickness

### TECHNICAL CHARACTERISTICS

#### EN 998.1: OC

Form: white mortar

Particle size: 0 -1 mm

Specific gravity of fresh product: 1650 kg/ m<sup>3</sup>

Application temperature: +10°C - +35°C

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## STORAGE

Store in dry and cool storage conditions at temperatures 5°C - 30°C. Protect from moisture, frost and direct sunlight.

## SHELF LIFE

At least 12 months in the above mentioned storage conditions. Products should remain in their original unopened sealed bags, bearing the manufacturers batch number.

## PACKAGING

Bags 25kg

PACKAGING	CODE	BARCODE
25kg	07041	5204094070412

	<b>EVOCHEM S.A.</b> Athens, Attica, Greece
<b>EN 998-1</b>	
<b>ISOMIX ONE COAT PLASTER</b> One coat rendering mortar (OC) for external use	
<b>15</b>	

## HEALTH AND SAFETY INFORMATION



**Eye Dam. 1: H318** Causes serious eye damage **Skin Irrit. 2: H315** Causes skin irritation **Skin Sens. 1: H317** May cause an allergic skin reaction **STOT SE 3: H335** May cause respiratory irritation **P102** Keep out of reach of children **P261** Avoid breathing dust / fume / gas / mist / vapours / spray **P271** Use only outdoors or in a well-ventilated area **P280** Wear protective gloves/protective clothing/eye protection/face protection **P304 + P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing **P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing **P310** Immediately call a POISON CENTER or doctor **P302 + P352** IF ON SKIN: Wash with plenty of water and soap **P333 + P313** If skin irritation or rash occurs: Get medical advice/attention **P362 +**

**P364** Take off contaminated clothing and wash it before reuse  
**P501** Dispose of the contents / container in accordance with the current legislation on waste treatment **EUH208:** Contains cement portland, chemicals. May produce an allergic reaction. Substances that contribute to the classification: cement portland, chemicals, Calcium dihydroxide

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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