

**Powder mortar with natural hydraulic lime base.
Surfacing/jointing of masonry.**



PURPOSE

Mortar with natural hydraulic lime bases for the fine surfacing of masonries, correction of minor surface blemishes, and for the jointing of bricks and facing stones in the restoration of old buildings. Manual or mechanised application.

Also suitable for new works or for the renovation of modern buildings.

Application up to 10 mm per coat. Local minimal thickness: 1 mm.

May require prior rough surfacing of the masonries with **MALTENZZO RÉPARATION**.

Fine rubbed aspect directly recoatable with any paint finish or tick coating, for instance of a mineral type, such as **CALENZO** or **SILENZO**.

SURFACES

Usual mineral building bases free from any organic coating:

- Lime stone, bricks, and terracotta blocks.
- Old masonries built with a lightly resistant mortar.
- Old masonries coated with traditional mortar.

- One-coat lightly structured rendering (trowelled, polished).
- Tamped concrete.
- Plaster lime mortar, lime mortar of the **MALTENZZO RÉPARATION** type.

NB: Do not use over aerated concrete (outdoors).

MAIN FEATURES

- Lime formulation.
- Fine and calibrated grain size for a good base uniformity.
- Ready-to-mix powder.
- Mechanical flexibility and resistance suited to the restoration of old buildings.
- Excellent microporosity, which enables to maintain the hygrometric balance of the wall.

- No cracking of shrinkage.
- Suitable for works over lime plaster mortar.
- Excellent adherence over mineral surfaces.
- Directly recoatable with any paint finish.
- Good covering power, natural whiteness.
- Easy application, good workability.

IDENTIFICATION CHARACTERISTICS

In accordance with official standards or, if none applicable, with internal standards.

Aspect	Water mixing powder.
Powder Density	ca. 1.40.
Grain Size	0/1.0 mm.
pH	12 -13.
Mixing Rate	ca. 22 % water, dep. on aimed consistency (5.5 l water per 25 kg pack).
Mixing Time	ca. 5 min and until obtaining a good homogeneity (slow mixer, concrete mixer).
Rest Period	ca. 10 min before use.
Usable Life	ca. 4 hrs by 20°C.
Working Temperature	+ 5°C/+ 35°C.
Application Thickness	Up to 10 mm per coat. Min. 1 mm locally.
Drying Time (20°C, 65% RH)	Setting Time: 2 to 4 hrs dep. on thickness. Between layers: Min. 2 days. Finish: Min. 4 days dep. on thickness and ambient atmospheric conditions. <i>Drying delayed by cold and damp weather.</i>
Powder Consumption	ca. 1.5 kg/sqm per mm thickness.
Classification	NF T36-005: not classified
Colours	Natural white.
Packaging	25 kg pack.

USE

Les supports, travaux préparatoires et conditions d'application seront conformes aux Normes /DTU en vigueur.

Base Preparation

Bases must be sound, cohesive and clean before application of the product. They must be free from any product or treatment likely to interfere with the adherence (water-repellent, greasy substance, old organic paint, chipped, non-cohesive parts...); prior treatment of capillary and salt rises.

- Thoroughly grind, trim, gin, and dust.
- Prick, brush, sand, **HP** or steam wash, dep. on the nature of the damages.
- Remove organic paints and coats in any appropriate way.
- Restructure the masonries and chippings.
- Open cracks, rake out and refill the joints with the rendering. Drying time: Min. 3 days.
- Repair the spawls, reshape with a mortar compatible with the surface.

Product Application

Rendering Preparation

Mix the powder with water. Stir for about 5 min. Let it settle ca. 10 min.

Mix again before use.

Implementation

Moisten the surfaces with a water jet about 1 hour before applying the rendering whilst avoiding water logging. Let dry on the surface.

Apply the freshly prepared rendering with a stainless steel float or with a render pump while tightening so as to ensure the adhesion to the surface.

Surface and smooth with a stainless steel trowel.

Let it harden and felt with a sponge float.

Do not exceed 10 mm per coat. Recoat if necessary after drying.

Moisten between each coat.

Equipment

Stainless steel float, sponge flat, pointing trowel (for the joints), render pump.

Equipment Cleaning

WATER, immediately after use.

Practical Advice

- Application conditions:
 - Ambient and surface temperature above 5°C (caution if T > 35°C).
 - Relative humidity below 80 %.
 - Sheltered from strong winds and direct sunlight.
- Protect from excessively fast desiccation (plastic sheet, light moistening...).
- Product sensitive to humidity (rain, condensation, fog) during the carbonation phase. Protect from weathering during and after the application of the product (min. 3 days).
- Respect the carbonation cycle. The premature application of a finish may cause blemishes (efflorescence, whitish sagging).
- Corrosive effect of the lime. Risk of damaging mineral surfaces such as glass, stone and aluminium joinery. Protect the surrounding surfaces, clean projections rapidly with water.

CONSERVATION

- 9 months in unopened original packaging.
- Store away from humidity.

HEALTH, SAFETY, AND ENVIRONMENT

Refer to

- The safety information label on the packaging.
- Safety Data Sheet (Fiche de Données de Sécurité) on the INTERNET: www.zolpan.fr

IMPORTANT NOTICE REGARDING THE ZOLPAN TECHNICAL SHEETS: This version cancels and supersedes previous editions. It is our customers' responsibility to check that they have the latest edition before using the product. The information given in this sheet only has an indicative value and cannot replace the specific data relating to the type and condition of the surface to be treated.

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Powder mortar with a base of natural hydraulic lime.
Surfacing/repairing of masonry.



PURPOSE

Rough hydraulic lime mortar for thick layer repairing and surfacing of masonries and renderings in the restoration of old buildings.

Manual application.

Also suitable for new works or for the renovation of modern buildings.

Average application up to 20 mm per coat.

Refilling in thick layers up to 50 mm. Minimal thickness 5 mm.

Rough rubbed aspect directly recoatable with any thick coating, for instance of a mineral type, such as **CALENZZO TALOCHÉ** or **SILENZZO TALOCHÉ**.

Requires fine surfacing with **MALTENZZO FIN** in case of finishes with a thin coat of paint.

SURFACES

Usual mineral building bases free from any organic coating:

- Lime stone, bricks, and terracotta blocks.
- Old masonries built with a lightly resistant mortar.
- Masonries coated with traditional mortar.

- One-coat waterproofing renderings.

NB: Do not use over aerated concrete and lime plaster mortar (outdoors). Use preferably **MALTENZZO FIN** over tamped concrete.

MAIN FEATURES

- Lime formulation.
- Ready-to-mix powder.
- Implementation of rough rendering.
- Mechanical flexibility and resistance suited to the restoration of old buildings.
- Excellent microporosity, which enables to maintain the

hygrometric balance of the wall.

- Excellent adherence over mineral surfaces.
- Good refractory life in thick layers.
- Excellent covering power, natural whiteness.
- Easy application, good workability.

IDENTIFICATION CHARACTERISTICS

In accordance with official standards or, if none applicable, with internal standards.

Aspect	Water mixing powder.
Powder Density	ca. 1.50.
Grain Size	0/1.6 mm.
pH	12 -13.
Mixing Rate	ca. 22 % water, dep. on aimed consistency (5.5 l water per 25 kg pack).
Mixing Time	ca. 5 min and until obtaining a good homogeneity (slow mixer, concrete mixer).
Rest Period	ca. 10 min before use.
Usable Life	ca. 4 hrs by 20°C.
Working Temperature	+ 5°C/+ 35°C.
Application Thickness	15 to 20 mm per coat. Risk of meshing in case of thickness below 5 mm.
Drying Time (20°C, 65% RH)	Setting Time: 4 to 8 hrs dep. on thickness. Between coats: Min. 3 days. Finish: minimum one week dep. on thickness and ambient atmospheric conditions. <i>Drying delayed by cold and damp weather.</i>
Powder Consumption	ca. 15 kg/sqm par cm thick.
Classification	NF T36-005: not classified. EN 998-1: Common use mortar, class GP.
Colour	Natural white.
Packaging	25 kg pack.

USE

Surfaces, preparatory work and application conditions must comply with the applicable standards/DTU (French standards).

Base Preparation

Bases must be sound, cohesive and clean before application of the product. They must be free from any product or treatment likely to interfere with the adherence (water-repellent, greasy substance, old organic paint, chipped, non-cohesive parts...); prior treatment of capillary and salt rises.

- Thoroughly grind, trim, gin, and dust.
- Prick, brush, sand, HP or steam wash, dep. on the nature of the damages.
- Remove organic paints and coats in any appropriate way.
- Restructure the masonries and chippings.
- Open cracks, rake out and refill the joints with MALTENZZO REPARATION. Drying time: Min. 3 days.

Product Application

Rendering Preparation

Mix the powder with water. Stir for about 5 min. Let it settle ca. 10 min.

Mix again before use.

Implementation

Moisten the surfaces with a water jet about one hour before applying the rendering whilst avoiding water logging. Let dry on the surface.

Rendering over ol masonry: apply the freshly prepared product with a stainless steel float while tightening so as to guarantee the adherence to the wall. Surface and smooth with a stainless steel trowel. Let it harden and felt with a sponge float.

Application up to 20 mm per coat (5 mm minimum). For superior thickness, proceed by successive layers while respecting the setting and hardening times. Moisten between each coat.

Reinforcement with an armouring of the ETICS type possible, by embedding it in the rendering layer in case of continuously thick surfacing, application over friable surfaces or in case of foreseeable cracking of the surface along specific singular spots (capsils or frame of the aperture, for example).

Rendering over fragile masonry: (mounting with plaster mortar for example).

Before applying the rendering, allow a fluid floating of MALTENZZO RÉPARATION (mixing 6,5/7 l water per pack).

Thickness 5 to 8 mm. Application trowel or rendering pump. Maintain a rough surface aspect. Drying time at least 24 hrs before applying the rendering.

Equipment

Stainless steel float, trowel, sponge trowel.

Equipment Cleaning

WATER, immediately after use.

Practical Advice

- Application conditions:
 - Ambient and surface temperature above 5°C (caution if T > 35°C).
 - Relative humidity below 80 %.
 - Sheltered from strong winds and direct sunlight.
- Protect from excessively fast desiccation (plastic sheet, cover, light moistening...).
- Protect from weathering during and after the application of the product (at least 3 days).
- Respect the carbonation cycle. The premature application of a finish may cause blemishes (efflorescence, whitish sagging).
- Corrosive effect of the lime. Risk of damaging mineral surfaces such as glass, stone and aluminium joinery. Protect the surrounding surfaces, clean projections rapidly with water.

CONSERVATION

- 9 months in unopened original packaging.
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