

**Mineral aqueous paint with aerated lime base.  
Brushed whitewash with mineral matt or patina finish.**

PHASE AQUEUSE



**FDES**  
vérifiée

## PURPOSE

Protection/decoration of façades. Matt mineral brushed finish. The modern, ready for use formulation of **CALENZZO LISSE** and its great ease of application enable to renew with the lime tradition whilst preserving the ecological and aesthetic qualities of traditional whitewashes prepared on site.

As a mineral product, naturally resistant to micro-organisms, resistant to weathering and with great permeability to steam, **CALENZZO LISSE** is recommended if you wish to preserve the

authenticity of the material, in particular when renovating old sites and historical monuments, and also in new works on masonry with low mechanical resistance.

The mineral matting aspect, the fine texture, and the absence of film-forming aspect of **CALENZZO LISSE** nicely catch light and confer on walls the warmth of lime decorations.

## SUPPORTS

Usual building mineral bases, free from any organic coating:

- bricks, stone, old masonry.
- lime or cement based renderings, lime plaster mortar (if weak structure).

Approved façade construction boards for light structures (fibre cement, wood-cement composite or cement polymer...).

Old adherent mineral paints in good condition (exclusive of all silicate coatings).

**NB:** Avoid surfaces with marked patterns such as Tyrolean or rustic rendering (risk of cracking aspect).

## MAIN FEATURES

- Ecological mineral formulation.
- Façade enhancement, traditional finish.
- Bright matt colours. Wide range of colours.
- Non thermoplastic, good resistance to atmospheric dirt.
- Optimal microporosity allowing for a very good water steam transfer.
- Natural bactericidal and disinfectant properties.
- Colour stability, preservation of their freshness (mineral

pigments).

- Naturally inert and flameproof mineral coating.
- Reader for use. Easy and rapid application.
- Product in aqueous phase: easy and safe use, environmentally friendly.

## IDENTIFICATION CHARACTERISTICS

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

<b>Aspect</b>	Thick paste.
<b>Dry Matter</b>	In weight: 59 ± 2%.
<b>Density</b>	1.50 ± 0.05
<b>pH</b>	12-13
<b>Flash Point</b>	n/a
<b>COV Concentrations</b>	Max. 40 g/l. EU threshold value for this product (A/c cat): 40 g/l.
<b>Drying (20°C, 65% RH)</b>	Dry: 3 to 4 hrs. Recoatable: 24 hrs. Optimal resistance and performances after complete carbonation of the lime (several weeks). <i>Drying delayed by cold and damp weather.</i>
<b>Coverage</b>	4 to 5 sqm/kg per coat over plane surface.
<b>Classification</b>	<b>NF T36-005:</b> Family I class 1c. <b>Mineral formulation :</b> In accordance with FD T 30-808 (organic additives < 5% in mass). <b>XP T34-722:</b> Class D2. <b>EN 1062-1:</b> E3 V2 W1 A0. <b>Fire classification:</b> M0 over M0 surface, M1 over M1 surface.
<b>Colours</b>	ZOLPACHROM MINÉRAL system (white/PA and N base).
<b>Packaging</b>	5 kg - 25 kg

## USE

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

### Base Preparation

Bases must be sound, dry, cohesive and consistent with the product application. They must be free from any product or treatment likely to interfere with the adherence (waterproofing product, old organic paint, greasy material, chipped, non-cohesive parts...).

- Removal of micro-organisms: FONGIMOUSSE PLUS.
- Clean by brushing, sanding, scraping, HP washing, leaching...
- Remove organic paints by pickling, brushing, HP cleaning...
- Remove damaged parts, clip structured renderings.
- Check evenness, remove blisters over the entire surfaces with surface entirely with a mortar of the same nature as the renderings (MALTENZZO, ARMATERM COLLE or COLLE POUDRE).
- Impression for all surfaces with the base regulator CALENZZO FOND, diluted with 10 to 30 % water, depending on the porosity of the bases. Recoatable after minimum 4 hours.

NB: CALENZZO LISSE can be applied directly over totally homogeneous bases subjected to prior humidifying (after complete surfacing with MALTENZZO for example). In all other cases, a primer is recommended against the risk of blemishes due to the irregular porosity of the surfaces (repair traces, different rises of capillarity...).

### Product Application

#### Process

Traditional whitewash, brushed, almost uniform finish:  
Min. 2 coats of CALENZZO LISSE. Dilute the coats with 30 to 40 % water depending on aimed aspect. 24 hrs between coats. Apply without stretching.

It is possible to reproduce the shaded velatura finish by applying a semi-transparent patina over the traditional whitewash with a lime wash brush or a sponge trowel. Example of a preparation of patina (stir before and during use): 1 to 2 volumes of CALENZZO LISSE + 10 volumes of CALENZZO FOND, depending on aimed transparency. Tone-on-tone application over the whitewash or over a white whitewash for stronger shading.

### Equipment

Lime wash brush, soft flat brush.

### Equipement 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 %.
  - Dry, condensation-free and non-overheated surface.
  - Sheltered from strong wind and direct sunlight.
- The natural mineral composition of the product may generate shading differences between batches or depending the dilution rates. For a good homogeneous result, proceed by complete surface areas and with the same preparation.
- Product sensitive to humidity (rain, condensation, fog) during the carbonation phase with risks of efflorescences, whitish sagging or of washing-out.  
Protect from weathering and during the length of the works and at least three days after applying the product.
- Optional waterproof with ZOLPAN 420 to reinforce water resistance (seaside, spouts). Prior drying with of CALENZZO LISSE 24 hrs min. Apply with a brush, short pile roller ou atomizer. Correct potential sagging.
- Corrosive effects of the lime. Risks of damaging mineral surfaces such as glass, stone, and aluminium joinery. Protect surrounding surfaces, clean rapidly water projections.

## CONSERVATION

- 12 months in original unopened packaging.
- Store away from frost and temperatures above 35°C.

## 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](http://www.zolpan.fr)
- Environmental and Sanitary Declaration Sheet (FDES) « Peintures de ravalement en phase aqueuse, classe D2 » (Refacing paints in aqueous phase, Class D2) on the INTERNET: [www.inies.fr](http://www.inies.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 as an indicative value and cannot replace the specific data relating to the type and condition of the surface to be treated.



Zolpan sas: 17 quai Joseph Gillet - 69316 Lyon cedex 04 - Tél: 04 72 10 70 60 - Fax: 04 72 10 70 73  
[www.zolpan.fr](http://www.zolpan.fr) - SIREN: 972 503 387 - N° RCS: 972 503 387 RCS LYON - CAPITAL SOCIAL: 6 127 440 €