

# Limewash Paint



Technical Data Sheet Revision:

of:



## Lime-based mineral paint for interiors and exteriors

### Product Description

Limewash Paint is a mineral lime paint for both interior and exterior applications, formulated with lime putty, natural inorganic pigments, stabilizing additives, and modified with dispersion resins. The product is designed to give surfaces a pleasing aesthetic, combined with good durability and ease of application. Thanks to its natural component composition, it faithfully reproduces the chromatic effects of ancient paintwork.

### Features and Performance

Limewash Paint stands out for its ease of application, high water vapor permeability, and excellent weather resistance. It is a liquid-to-paste product, suitable for decorative and protective coatings on mineral substrates, capable of enhancing the aesthetic appearance of treated surfaces while maintaining the characteristic color of traditional lime finishes. The formulation also ensures good performance in operation within the temperature range indicated on the data sheet and has a fire reaction classified as "Class 0 non-combustible."

### Fields of Application

Limewash Paint is suitable for application on both existing and new mineral plasters, both interiors and exterior facades. It is particularly suitable for restoration projects on the facades of historic buildings subject to conservation restrictions, where protection of the wall structure and the achievement of specific color effects typical of traditional lime finishes are required.

### Technical Features

|                               |  |
|-------------------------------|--|
| Color                         | White; shades from color chart and sample book upon request  |
| Packages                      | 5L and 14L buckets   |
| Nature                        | Pasty liquid   |
| Indicative consumption        | Approximately 0.250 - 0.300 L/m <sup>2</sup> per coat; consumption may vary depending on the characteristics of the substrate and the application system adopted |
| Reaction to fire              | Class 0, non-combustible   |
| Dilution                      | With water in quantities of 20 - 30%   |
| Brookfield Viscosity (20 rpm) | 8,000 ± 500 cps  |
| Specific weight (UNI 8910)    | 1.30 ± 0.05 kg/L   |
| Chemical type of binder       | Vinyl - lime   |
| Interval between hands        | 12 - 24 hours  |

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| Deep drying                           | 48 - 72 hours                              |
| Water absorption coefficient W        | 0.25 kg/(m <sup>2</sup> h <sup>1/2</sup> ) |
| pH                                    | 12.20                                      |
| Operating/<br>Application Temperature | From +8 °C to +30 °C                       |
| Shelf life                            | 12 months, if stored in a cool, dry place  |

## Application Method

### Preparation of the substrate

Apply Limewash Paint to cured, dry, clean surfaces, free of dust, dirt, and patches. The surface must be as even as possible, as any unevenness in the surface may cause color differences in the final result. For exterior applications, surfaces must be protected from rain for 48 hours after application.

Before use, the product must be diluted with clean water and stirred thoroughly until a uniform color and consistency is achieved. The recommended dilution ratio is 20-30% in water, depending on application needs.

Application can be done with a brush, roller, or spray. The original data sheet recommends brush application in two or three coats, depending on the substrate and the desired effect. The first coat should be applied more diluted, while subsequent coats should be applied with an interval of 12 to 24 hours between coats. Deep drying is recommended in 48-72 hours.

The application must be carried out with a substrate temperature between +8°C and +30°C, avoiding surfaces exposed to the sun and unsuitable atmospheric conditions, as these conditions may compromise drying times and the achievement of the product's aesthetic and performance characteristics.

There's one point worth noting: the original data sheet mentions brush, roller, or spray as application tools, but only describes brush application in detail. I can't confirm further specific operating parameters for roller or spray because they aren't listed in the attached document.

### Tips and Notes

Apply the product on adequately seasoned, dry, clean surfaces, free from dust, impurities and patches. To achieve chromatic uniformity and aesthetic regularity of the film, it is essential that the substrate present homogeneous characteristics; non-uniform substrates can cause differences in tone in the final result. In external applications, treated surfaces must be protected from rain for at least 48 hours after application. pose.

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It is recommended to apply the product in favorable weather conditions, with the substrate temperature between +8°C and +30°C. Avoid unsuitable weather conditions and surfaces exposed to direct sunlight. Application in unsuitable conditions may adversely affect drying times and compromise the product's optimal aesthetic and performance characteristics.

The product contains resins that, upon contact with skin, may cause allergic reactions in susceptible individuals; therefore, the use of gloves and protective clothing is recommended. For more information, see the safety data sheet.

The information provided is indicative and based on available application experience. It is recommended to conduct preliminary tests to verify the product's suitability for the substrate and the expected results. Verification of the product's compatibility with the intended use is the responsibility of the user.

## Colorificio Atria SRL

Contrada Camarro Formeca 91028 Partanna (Tp) Italy Phone +39 0924 49500 / 0924 87610 / Fax 0924 921250 [www.atria.it](http://www.atria.it) Email [info@atria.it](mailto:info@atria.it) Business Assurance      Quality ISO 9001:2015 / Environmental ISO 14001:2015

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