TECHNICAL DATA LIMEWASH PAINT
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LimeWash Paint Description:
LimeWash Paint is the pinnacle of mineral lime paint, a product that combines the authentic charm of ancient wall finishes with the sensitivity of contemporary green building.

Made with pure, long-aged natural hydrated lime, calcium carbonates, and select marble dust, LimeWash Paint is a choice that embodies beauty, sustainability, and respect for the environment. Its all-mineral composition ensures exceptional breathability, contributing to the well-being of spaces and maintaining the natural balance of surfaces.

Its soft shades and delicately textured effect lend depth and character, enhancing both historic facades and modern spaces. Perfect for those seeking a prestigious, long-lasting, and natural finish, LimeWash Paint preserves and renews the heritage of construction, with an eye to the future.

LimeWash Paint Composition:
LimeWash Paint is composed exclusively of a pure mineral binder based on long-aged natural hydrated lime, calcium carbonates, select marble dust, and specific additives. It is the ideal finish for the restoration and conservation of historic building walls, while ensuring performance in line with the requirements and principles of modern green building.

LimeWash Paint uses:
- Ideal for covering interior walls and ceilings intended for high-end design and for the renovation of public and private spaces, shopping centers, shops, bars, villas, and residences.

Key features of LimeWash Paint:
LimeWash Paint is an eco-friendly mineral paint based on hydrated lime that is highly breathable, natural, and sustainable. Suitable for interior and exterior wall surfaces, it can be used on plasters, lime-based plasters, and lime-cement plasters, and especially for painting historic buildings. Formulated according to ancient construction traditions, LimeWash Paint is ideal for architectural restoration and green building projects. Its mechanical properties, high porosity, and low soluble salt content ensure full compatibility with the most common building materials.

Its distinctive properties include:
- High water vapor permeability, ensuring surface breathability.
- High alkalinity, creating an environment unfavorable to the proliferation of biodeteriorating microorganisms, contributing to healthy spaces and living comfort.
- Excellent adhesion, typical of products based on mineral binders.
- Free of organic binders, LimeWash Paint is an essential product for the restoration of historic city centers and for contemporary green construction.

Preparing interior walls and applying LimeWash Paint using a brush:
- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and seasoned surfaces.

1. The walls must be painted with a classic white washable paint or a lightly tinted paint matching the chosen color;
2. Dilute LimeWash Paint by 30% with drinkable water;
3. Add the required amount of toner and mix thoroughly;
4. Apply a first coat of LimeWash Paint using a soft-bristled brush, applying irregular and even strokes over the entire surface;
5. Let dry for 12 hours (+20°C);
6. Dilute LimeWash Paint 15%-20% with drinkable water;
7. Apply a second coat of LimeWash Paint as described for the first coat;
8. Let dry for 24 hours (+20°C).

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LimeWash Paint Technical Data:

- Appearance: Paste;
- Color: Characteristic white;
- Viscosity - UNI EN ISO 3219: ~ 28,000 mPa*s;
- Specific Weight - UNI EN ISO 2811-1: ~ 1.40 kg/L;
- pH - Prd. DTN 10/E01: > 12.00;
- Expected coverage for brush application - Prd. DTN 10/E02: ~ 8 m²/L per coat;
- Colors: Toner dyes;
- Packaging: 14 L, 5 L, and 2.5 L plastic buckets;
- Interval between first and second coat: At least 12 hours at +20°C;
- Touch dry: ~ 1 hour at +20°C;
- Dry through: ~24 hours at +20°C;
- Classification by end use - UNI EN 1062.1 – 4.1: Decoration and Protection;
- Classification by type of binder - UNI EN 1062.1 – 4.2: Hydrated Lime;
- Classification by state - UNI EN 1062.1 – 4.3: Aqueous Dispersion;
- VOC Classification: Compliant with Legislative Decree No. 161 of 27/03/2006 (Implementation of Directive 2004/42/EC);
- UNI 8681 Classification: Continuously applied coating (RPAC), for finishing coats, in aqueous dispersion, single-component, chemically reactive drying, matt, for masonry substrates, lime-based; D4.C.0.C.2.A3.SA;
- Safety regulations: Not hazardous according to the provisions of Directives 67/548/EEC and 1999/45/EC and subsequent amendments and additions;
- Transport information: Not hazardous according to the current provisions regarding the transport of dangerous goods by road (ADR), rail (RID), sea (IMDG Code), and air (IATA);

Values obtained at the DTN 01/017 laboratory in a conditioned environment and may be subject to change due to different application conditions and may be reduced or extended by high or low temperatures, respectively.

Warnings and recommendations for LimeWash Paint:

- Operating temperature: +5°C to +35°C;
- Cover window frames, doors, etc. well;
- Apply to thoroughly dry and clean surfaces;
- Do not apply to wet, frozen surfaces, or to repairs that are still damp;
- Plan appropriate technical interruptions when applying over large surfaces;
- Any shading or uneven color effects are typical of lime-based products, and the color may vary depending on the substrate's absorption;
- Do not apply to surfaces treated with paints or synthetic coatings;
- As this is a mineral product, viscosity may increase during storage. To restore the initial rheology, simply stir mechanically, adding water if necessary;
- Store in a cool, dry place, away from sunlight;
- EUH210: Safety data sheet available upon request.
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The times expressed are longer or shorter with the decrease or increase in temperature. In accordance with the general principles - Principles of evaluation of use of products and systems. Test conditions: temperature 23±2°C, 50±5% R.H. and air speed in the test area <0.2 m/s. The data expressed may vary depending on the specific conditions of the construction site: temperature, humidity, ventilation, absorbency of the substrate. The values indicated for consumption are indicative. In practice, a higher consumption of approximately 10% should be considered. Consumption depends on the roughness and absorbent characteristics of the support, as well as the application technique.

The processing cycles indicated above do not constitute any assumption of responsibility by Nikkolor Italia s.r.l., which remains relieved of any problems originating from incorrect installations, or from interventions that do not comply with the regulations in force on the subject and the application instructions reported in the specific technical data sheets of each individual product. The written and verbal technical-application instructions provided to buyers and applicators are based on our experiences and on the current state of the art at a theoretical and practical level; they are not binding and do not prefigure any contractual obligation or secondary commitment deriving from the purchase contract. They do not exempt the buyer from personally verifying and on his own responsibility the suitability of our products for the intended application purpose.

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