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 a comfortable living environment.
- 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 building.

Preparing, coloring, and mixing LimeWash Paint:
- LimeWash Paint is ready to use;

1. Add the required amount of coloring toner and mix thoroughly using a mechanical mixer until a smooth paste is obtained.

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 weathered surfaces.

1. Apply a single coat of Primer NK diluted 10% with potable water, evenly over the entire surface to be treated, using a short-haired roller and a brush.
2. Let dry for 24 hours (+20°C).
3. Dilute LimeWash Paint 15% with potable water.
4. Apply a first coat of LimeWash Paint using a soft-bristled brush, in an irregular and uniform manner, over the entire surface.
5. Let dry for 12 hours (+20°C).
6. Apply a second coat of LimeWash Paint as described for the first coat.
7. Let dry for 24 hours (+20°C).

Preparing interior walls and applying LimeWash Paint using a roller:

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and weathered surfaces.

1. Apply a single coat of Primer NK diluted 10% with drinkable water, evenly over the entire surface to be treated, using a short-haired roller and a brush.
2. Let dry for 24 hours (+20°C).
3. Dilute LimeWash Paint 20% with drinkable water.
4. Apply a first coat of LimeWash Paint using a medium-haired roller, evenly and evenly over the entire surface.
5. Let dry for 12 hours (+20°C).
6. Apply a second coat of LimeWash Paint as described for the first coat.
7. Let dry for 24 hours (+20°C).

Preparing interior walls and applying LimeWash Paint using a stainless-steel trowel:

- Substrates must be dry, solid, and free of dust, paint, wax, oil, loose particles, and weathered surfaces.

1. Apply a single coat of Primer NK diluted 10% with drinkable water, evenly over the entire surface to be treated, using a short-haired roller and a brush.
2. Let dry for 24 hours (+20°C).
3. Dilute LimeWash Paint 20% with drinkable water;
4. Apply a first coat of LimeWash Paint using a stainless-steel trowel, evenly and evenly over the entire surface;
5. Let dry for 12 hours (+20°C);
6. Apply a second coat of LimeWash Paint over approximately 3-4 m², then go back and smooth the surface until it is smooth and level, tilting the stainless steel trowel;
7. Allow to dry for 24 hours (+20°C).

LimeWash Paint Technical Data:

- LimeWash Paint Appearance: Paste;
- LimeWash Paint Color: Characteristic white;
- Viscosity - UNI EN ISO 3219: ~ 28,000 mPa*s;
- Specific Weight - UNI EN ISO 2811-1: ~ 1.40 kg/Lt;
- pH - Prd. DTN 10/E01: > 12.00;
- Expected coverage for roller/brush application - Prd. DTN 10/E02: ~ 0.300 L/m2 for two coats;
- Expected coverage for trowel application - Prd. DTN 10/E02: ~ 0.450 L/m2 for two coats;
- Colors: Toner dyes;
- Packaging: 14-liter, 5-liter, and 2.5-liter plastic buckets;
- Dilution of the first coat with potable water: 15%;
- Dilution of the second coat with potable water: 15/20%;
- Interval between the first and second coat: At least 12 hours at +20°C;
- Touch dry: ~1 hour at +20°C;
- Through-dry: ~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: Complies with Legislative Decree no. 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 considered 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 changes due to different installation conditions and may be reduced or extended by high and low temperatures respectively.

Warnings and recommendations for LimeWash Paint:

- Operating temperature: +5°C to +35°C;
- Recommended for interior and exterior use;
- Carefully cover window frames, doors, etc.;
- Apply to thoroughly dry and clean surfaces;
- Do not apply to wet, frozen surfaces, or to repairs that are still damp;
- Do not apply in strong sunlight, strong winds, or rain;
- Allow for appropriate technical interruptions when applying to large surfaces;
- Apply material from single batches to the same facade, spreading the product continuously, avoiding conditions that may highlight differences in shade;
- To avoid possible color differences, complete the facades continuously, avoiding repainting dry material, even if it is from the same batch; the color tone may change if applied at different times;
- Any shading or uneven color effects are typical of lime-based products, and the color may vary depending on the substrate's absorption and weather conditions;
- Do not apply to surfaces treated with paint 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;
- In case of rain, protect surfaces for at least 48 hours after application to prevent bleaching or staining due to imperfect carbonation of the lime;
- Store in a cool, dry place, away from sunlight;
- EUH210: Safety data sheet available upon request.

Technical data Primer NK:

- Color of Primer NK: Characteristic;
- Appearance of Primer NK: Liquid;
- pH of Primer NK: >9;
- Dilution of Primer NK: Ready to use;
- Specific weight of Primer NK: 1.5 kg/lt;
- Dry residue of Primer NK: 67%;
- Water solubility of Primer NK: soluble;
- Average consumption of Primer NK: ±6/8 m²/lt;
- Average thickness of Primer NK: 300 µ;
- Dust dry of Primer NK at approx. 23°C: 3 hours depending on external humidity;
- Time for overlaying Primer NK coating: 24h at +20°C.;

- Storage of Primer NK: at a temperature between +5°C and +35°C away from humidity;
- Temperature limits for use of Primer NK: +5°C and +35°C;
- Packaging of Primer NK: 7 l and 2.5 l;
- Cleaning of tools after using Primer NK: With drinking water.
- Primer NK complies with the UNI EN 15457 standard (resistance to fungal growth), due to the presence of specific additives with a broad spectrum of action, allowing the product to prevent the formation of mold, fungi, algae and moss over time.

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.

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