

AURO High-grade lime paint No. 344

Type of material

Lime-based wall paint containing titanium dioxide without plastic dispersion.

Intended purpose

Paint for white coatings on mineral substrates, e.g. plaster, concrete, lime-sand stone, woodchip, gypsum plasterboard.

Technical properties

- Consistently ecological choice of raw materials.
- Highly moisture-vapour permeable (sd value: < 0.05 m).
- Provides pleasant climate in room, purely mineral, anti-mould.
- Translucent when wet, opaque after coating.
- Can be overcoated several times; matt appearance with typically chalk character.

Composition

Water, calcium hydroxide, titanium dioxide, mineral fillers, cellulose. See the current full declaration on www.auro.de.

Colour shade

White. Tintable with AURO Lime tinting base No. 350*.

Application method

Apply swiftly and evenly with brush or roller. Airless e.g. with Storch Airless equipment SL1000 or 1500, or the like.

Drying time in standard climate (20 °C / 50% relative air humidity)

- Recoatable after approx. 24 hours, depending on temperature, air and substrate humidity.
- Low temperatures and high air humidity delay the drying process.
- High air humidity promotes the carbonation (hardening through carbon dioxide).
- Final strength is obtained after several weeks.

Thinner Ready for use, dilutable with water up to 10%.

Consumption rate

Approx. 0.10 l/m² per coat (1 l for approx. 10 m²), on smooth, slightly absorptive surfaces. May vary depending on the application method, texture and surface absorptivity. Determine exact consumption on sample.

Cleaning of tools

Clean tools with water immediately after use. Avoid paint splashes and overlaps, remove material immediately.

Storage

Store cool, dry, frost-free, out of reach of children, tightly closed original container. Before closing the container, remove paint residues from the lid and the edge of container. Storage stability 24 months.

Packaging material Polypropylene, metal handle.

Disposal

Dried residues or residues hardened with cement can be disposed of as construction waste or household waste. Empty containers can be recycled. Liquid residues: EWC code 080120, designation: Watery suspension; dispose according to the corresponding regulation.

Safety advice Contains calcium hydroxide. Code letter/risk designation: Xi/Irritant. Hazard class Does not apply.

Attention

Strongly alkaline, pH value > 12. R38/H315 Irritating to skin. H319 Risk of serious damage to eyes. S1/2 Keep locked, out of reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. S36/37/39 Wear suitable protective gloves and eye/face protection. Change clothes if soiled with product. Wash gloves inside, if needed. S45 In case of an accident or indisposition, seek medical advice immediately and present the packaging, label or data sheet. Do not breathe in the vapour when spraying. See Safety Data Sheet and Technical Data Sheets (www.auro.de, Service, Downloads). EU-VOC limit value according to 2004/42/EG II A (aWb): 30 g/l; product VOC: 0 g/l.

Technical recommendations for application

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1. SUBSTRATE

1.1 Suitable substrates indoors

Mineral substrates (e.g. plaster, concrete, lime sand bricks), loam, gypsum plaster, woodchip, mineral paints.

1.2 Suitable substrates outdoors

Untreated, absorbent, weather-resistant mineral substrates (e.g. plaster, concrete, lime sand bricks).

1.3 Unsuitable substrates

Wood, synthetics and surfaces similar to synthetics. Remove plastic-based old coatings or wall panels, glossy and gloss-like coatings as well as non-adhering, unstable old coatings, natural resin dispersion paints.

1.4 General substrate requirements

Substrate must be solid, supportive, adhesive, slightly absorptive, water-wettable, clean, free of dust, oil, grease, efflorescence and ingredients bleeding through, and must not be chalky or crumbling.

2. COATING SYSTEM (FOR INITIAL COATING)

2.1 Substrate preparation

- Loose elements, dust, soiling, substrates containing oils or synthetics must be removed completely.
- Remove sinter skin through grinding, remove separating agents by washing, use e.g. AURO Paint and stain cleaner No. 435*.
- Brush dry or wash all chalking or smeary substrates.
- Fill holes, cracks etc. with a suitable material.
- Clean plasters and wet slightly, 1-2 days prior application, if needed.
- Brush dry or wash old mineral coatings.
- Sweep, vacuum and clean thoroughly old, tightly fixed coatings. Remove soiling, roughen slightly.
- Remove badly adhesive, peeling coatings completely.
- Carefully reseal wallpaper seams; remove lime residues. Leave for complete drying.
- Protect adjacent areas, especially glass, ceramics, wood, metal, from staining.

2.2 Basic treatment

- Lime sand bricks, gypsum cardboard, substrates treated with AURO Natural wall filler No. 329* or similar, high-contrast substrates: prime with High-grade lime paint thinned with water (up to 10%), or prime with AURO Plaster primer No. 301*.
Prime non-absorptive substrates, adhering and stable old coatings and exterior coatings with AURO Grip coat No. 505* or 506*. See our publication: *High-grade lime products: Tips for substrate preparation* available for download online.

2.3 After-treatment

After preparing the surface appropriately, apply 1-2 coats of High-grade lime paint indoor. Outdoors, apply 2-4 coats, if necessary, diluted with max. 10 % water. Keep the minimum drying time of 24 hours between each coating.

REMARKS

- Application temperature 8 °C min., 30 °C max., max. relative air humidity 85%, ideally 18-25 °C at 50 – 75 % relative air humidity.
- Stir well before and during use.
- Do not mix with products other than those recommended.
- Leave new plaster, especially lime-based plaster, uncoated to dry for at least 4 weeks. For fresco and fresh painting, application on fresh plasters is possible.
- Chalk paints should preferably be applied by a wide brush in crossing movements. When rolling, apply the last layer in one direction only.
- Processing or applying corrections on partly dried surfaces leads to brindle surface appearance.
- Avoid direct exposure to sunlight, moisture influences and dirt during the application and drying.
- In order to assure a sufficient carbonation, avoid rapid drying, e.g. through draft or drying machines.
- Protect outdoor coatings from weathering for at least 5 days.
- Misty surfaces, stains, efflorescence and chalking are properties typical for this kind of product.
- Differences between batches regarding properties and smell are result of natural components. Mix different batches together before application.
- Discolorations and adherence problems might occur due to various substrate-related factors.
- Product does not contain any special anti-mould or anti-fungi agents.
- Observe the general recommendations, guidelines etc. of the German Association of Plastering, e.g. their leaflet No.2 and 6.
- All coating work must be adapted to the given object and its use or/and tested on samples.

* See respective Technical Data Sheets.

The Technical Data Sheet gives recommendations and examples of possible use. No liability or other legal responsibility can be derived. Use of the advice does not create any legal relationship. The information provided is based on our present knowledge and does not exempt the user from his personal responsibility. The respective state-of-the-art practices must be observed when implementing coating work and the required preparations. The conditions on site and the product's suitability must be checked appropriately and professionally. With publication of a new edition this technical data sheet is no longer valid. Status: August 2019