

## AURO High-grade lime paint no. 344

Technical Data Sheet

### Type of coating material

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

### Application

For opaque white coatings. Exterior use on untreated, weather-resistant materials, e.g. plasters, concrete or lime sandstone, interior use also on clay, gypsum boards, woodchip wallpaper or on intact mineral paint coats.

### Technical properties

- Consistently ecological choice of raw materials.
- Highly moisture-vapour permeable (sd value: < 0.05 m).
- Spreading rate: 10 m<sup>2</sup>/l
- Degree of whiteness (luminosity): 97.
- Opacity (contrast ratio): class 3, according to EN13300, at a consumption rate of 100 ml/m<sup>2</sup> or 10 m<sup>2</sup>/l.
- Provides matt coatings that can be recoated several times.

### Composition

Water; calcium hydroxide; titanium dioxide; mineral fillers; colophony-glycerine ester as potassium soap; cellulose. The current full declaration on [www.auro.com](http://www.auro.com) is authoritative.

### Colour shade

White. Tintable only for interior use. Trial coatings on small spots are recommended before large-scale application.

### Application method

Minimum application temperature: +8 °C. Apply two or three thin coats swiftly and evenly by brush or roller. If necessary, dilute with up to 20 % of water, depending on the surface absorptivity.

### Drying time in standard climate (+20 °C / 60% relative air humidity)

- Recoatable after approx. 24 hours, strongly depending on temperature, air and surface humidity.
- Low temperatures and high air humidity slow down the drying process.
- Final strength is obtained after several weeks. High air humidity accelerates the carbonation (hardening).

**Thinner:** Ready for use, dilutable with water.

### Consumption

Approx. 0.10 l/m<sup>2</sup> per application on smooth, slightly absorptive surfaces. May vary depending on the application method, texture and surface absorptivity. Carry out a test application to assess the exact consumption rate.

### Cleaning of tools

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

**Storage stability:** 24 months in unopened original container at +18 °C.

### Storage

Store cool, dry, above freezing point in firmly closed original containers and keep out of reach of children. Before closing the container, remove paint sticking on the lid and the rim of the container and spray rim and lid with AURO Mould Stop no. 413.

**Packaging material:** Bucket: polypropylene, carrying handle: metal.

### Waste disposal:

Completely empty containers can be recycled. Solid, dried and cured residues can be disposed of as construction waste or as domestic waste. Liquid residues: EWC (European Waste Catalogue) code 080120, aqueous suspension; if necessary, coordinate with those responsible for waste disposal.

**Hazard class:** No dangerous good

**Hazard statements:** Contains calcium hydroxide. Hazard symbol: Xi/irritant

### Safety statements

Irritating to eyes and skin. Risk of serious damage to eyes. Keep out of the reach of children. 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 and soap. Wear suitable protective gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label. Spraying: Do not breathe vapour/aerosol. Observe Safety Data Sheet and Technical Data Sheet.

# Application-technical recommendations

## AURO High-grade lime paint no. 344

### 1. SURFACE

#### 1.1 Suitable surfaces:

Mineral, weather-resistant, untreated surfaces (e.g. plaster, concrete, lime sand bricks) outdoors. Indoors, also loam, gypsum plaster, woodchip wallpaper, mineral paints. Carry out a test application to check old, matt coatings inside for suitability for recoating, and slightly roughen, if necessary.

#### 1.2 Unsuitable surfaces

Wood, plastics and surfaces similar to plastic. Remove plastic-based old coatings, glossy and gloss-like coatings as well as non-adhering, unstable old coatings.

#### 1.3 General surface requirements

Surfaces must be solid, stable, adhesive, dry, 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 (INITIAL COATING)

#### 2.1 Surface preparation

- Remove brittle particles, dust, soiling, oil-based substances, moss, algae, plastic-based old coatings, sand down sinter layers on new plaster or concrete surfaces, wash down separating agents, e.g. with AURO Paint and stain cleaner no. 435\*.
- Brush down chalky surfaces dry or wash.
- Fill holes, cracks, etc. with material corresponding to the building material.
- Clean and slightly wet loam plaster.
- Clean old mineral coatings dry or wet.
- Thoroughly clean adhering old coatings, wash off soilings, remove defective old coatings.
- Glue open wallpaper seams thoroughly, remove adhesive residues, allow to dry before reworking.
- Protect and thoroughly cover surfaces not to be treated (especially glass, ceramics, wood, metal) and adjacent areas.

#### 2.2 Primer treatment

- Pretreat highly absorptive surfaces inside (e.g. lime sand bricks, gypsum plasterboard), surfaces treated with AURO Natural wall filler no. 329\*, and surfaces high in contrast, with diluted AURO High-grade lime paint no. 344 (max. 20 % of water).
- Outdoors, pretreat with AURO High-grade silicate primer no. 306\*.

#### 2.3 Follow-up treatment

After preparing the surface appropriately, apply 1-3 coats of AURO High-grade lime paint no. 344, if necessary, diluted with max. 20 % of water, depending on opacity. Outdoors, apply at least 2 coats. Observe drying time of at least 24 h between individual coats.

#### Notes:

- Application temperature: +8 °C min., +30 °C max., ideally +18-+25 °C at 50 – 75 % relative air humidity.
- Stir well before and during use.
- Do not mix with products other than those specified.
- Leave new plaster, especially lime-based plaster, uncoated to dry for at least 4 weeks.
- During application and drying time, avoid exposure to sun, wind, rain and soiling. Protect exterior coatings from sun and rain for at least 5 days.
- In order to support thorough carbonation, avoid too quick drying up. If possible, carefully fog in the surface with water during the first days.
- Slightly transparent while wet, full opacity is obtained after drying.
- Chalking and regular weathering are product-specific and must be taken into account when used outdoors.
- Surfaces may appear slightly cloudy or efflorescent which is a product-specific characteristic.
- All coating work must be adjusted to the respective object and its use.

\* See respective Technical Data Sheets.

The details in this Technical Information sheet are the result of many years of research and practical trials. They serve as information and advice but do not exempt the purchaser and user from testing the products themselves for their suitability for the intended purpose. This data sheet therefore is not binding and no liability arises from it. Relying on our technical advice does not constitute an advisory relationship. This information sheet will cease to be valid when a new edition is published. Status: October 14, 2009