



AURO High-grade lime plaster No. 345

Technical Data Sheet

Type of material:

Lime-based plaster for textured designs, with fine granulation, without plastic dispersion.

Intended purpose:

For white, matt, textured design coatings on wall and ceiling surfaces inside, on mineral substrates (e.g., plaster, concrete, lime sand bricks), clay, gypsum cardboard, woodchip, mineral paints.

Technical properties:

- Consistently ecological choice of raw materials.
- Highly moisture-vapour permeable (sd value: < 0.05 m).
- Highly opaque.
- Filling character.

Composition:

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

Colour shade:

White. Tintable AURO Lime tinting base No. 350*. The tinting has a diluting effect, consider the change of texture. Trial applications are recommended in advance.

Application method:

Minimum application temperature: 8 °C. Apply swiftly and evenly by brush or roller. If necessary, dilute with water (up to 20%) depending on the surface absorptivity.

Drying time in standard climate (20 °C / 60% rel. air humidity):

- Over-coatable after approx. 24 hours 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 favors the carbonation (hardening).

Thinner: Ready for use, dilutable with water. Consider possible changes of product properties.

Consumption rate: Approx. 0.30 kg/m² up to 0.6 kg/m² on smooth, poorly 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 stability: 24 months in unopened original container at 18 °C.

Storage: Store cool, dry, frost-free, out of reach of children, in firmly closed original containers. Before closing an opened container, remove product residues from the lid and edge of container and spray the lid and edge with AURO Mold stop No. 413.

Packaging material: Polypropylene, metal handle.

Disposal: Completely empty containers can be recycled. Solid, dried and cured residues can be disposed of as construction or household waste. Liquid residues: EWC code 080112, designation: watery suspension. If necessary, coordinate with those responsible for waste disposal.

Hazard class: Does not apply.

Safety advice: Contains calcium hydroxide. Code letter/risk designation: Xi/Irritant.

Attention:

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, label or Technical Data Sheet. See Safety Data Sheet and Technical Data Sheets*.

Technical recommendations for application

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1. SUBSTRATE

1.1 Suitable substrates

Mineral surfaces (e.g., plaster, concrete, lime sand bricks, gypsum plasterboard), clay, gypsum cardboard, mineral paints interiors. Carry out a test application to check old, matt coatings for suitability for recoating, and slightly roughen, if necessary.

1.2 Unsuitable substrates

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, natural resin dispersion paints.

1.3 General substrate requirements

Substrate 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

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, remove is destroyed.
- 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

Strongly absorptive substrates, e.g., lime sand bricks, gypsum cardboard, surfaces treated with AURO Natural wall filler No. 329* and high-contrast substrates: pre-treat with AURO Lime paint No. 344* thinned with water up to 20%.

2.3 After-treatment

- Normally, one application of High-grade lime plaster is sufficient for a structured surface design, provided the substrate has been prepared properly.
- In required, second layer of High-grade lime plaster or AURO High-grade lime Paint No. 344* can be applied afterwards.
- Leave the surface for drying for at least 24 hours between each coating.

REMARKS

- Application temperature 8 °C min., 30 °C max., ideally 18-25 °C; max. rel. air humidity: 85 %, ideally: 50-65 %.
- 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.
- Avoid direct sunlight, exposure to humidity and soiling during the application and drying.
- In order to assure a sufficient carbonation, avoid rapid drying, if possible. By needs, slightly spray the surface with water in the first days.
- Slightly transparent while wet, full opacity is obtained after drying.
- Surfaces may be slightly cloudy which is a product-specific characteristic.
- 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: 10.2021