

AURO Lime-casein Wall Paint No. 751

Type of material

White lime casein wall paint in powder form for interior use, to be mixed with water to produce a ready for use paint.

Intended purpose

- For absorptive mineral and organic surfaces (ingrain wallpaper, loam rendering etc.).
- Particularly suitable for alkaline substrates (e.g. concrete, sand-lime brick, lime- and cement plasters).
- Not suitable for permanently damp surfaces and damp rooms.

Technical properties

- Consistent ecological choice of raw materials.
- Open-pored (sd - value: 0,05 m).
- Pleasant room climate, purely mineral, anti-mould.
- Translucent when wet, opaque after drying.
- Can be overcoated several times, matt coat with lime character.

Composition

Mineral fillers, titanium dioxide, milk-casein, calcium hydroxide, soda, cellulose.

See our current full declaration of content (www.auro.de).

Colour shade White. The ready-mixed paint can be tinted with up to 20% of AURO Lime tinting base No. 350.

Application method

- Brush or roll. Mix 1 part (by weight) resp. approx. 1,5 parts (by volume) powder paint with 1 part of water. Depending on the method of application and absorbency of the surface, product can be additionally diluted with max 30% of water.
- Apply a thin layer evenly. Use only corrosion-resistant tools and cans.
- Application temperature: 8 to 30°C, max. 85 % rel. humidity.
- Use up the mixture within 10 hours. Do not prepare more mixture than can be used up within this time.
- Stir occasionally during application.
- Mixtures older than 10 hours reduce the coating quality and impair the abrasion resistance.

Drying time in standard climate (23 °C / 50% rel. humidity)

- Over-coatable after approx. 6 hours.
- Fully dried after 24 hours.

Density Approx. 0,65 g/cm³.

Thinner Water.

Viscosity Depends on the added amount of water.

Consumption rate Approx. 75 g powder/m² (corresponds to approx.150 g ready mixture/m² prepared in 1:1 ratio), on even, poorly absorbing substrate. Depends on way of application, texture, absorbing capacity. Determine exact consumption on sample.

Cleaning of tools Clean utensils immediately after use with water. Avoid paint splashes, remove immediately with water.

Storage Store cool, frost-free, dry, out of reach of children.

Storage stability In unopened or tightly sealed container: 24 months.

Packaging material Soda Kraft paper, inside layer: polyethylene.

Disposal Dried product residues or residues hardened with cement can be disposed of as construction or household waste. Completely empty, clean containers can be recycled. Liquid residues: EWC code 080120, designation: Watery suspensions; dispose according to the valid regulations.

Safety notice Contains calcium hydroxide, Hazard designation Xi/irritant. **Hazard class** Does not apply.

Attention

Strongly alkaline, pH value around 11. R36 Irritant to eyes. S2 Keep locked, out of reach of children. S22 Do not breath in dust. S24/25 Avoid contact to skin and eyes. 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. S46 If swallowed, seek medical advice immediately and present the packaging or label.

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 (2010); **product VOC: 0 g/l**.

Technical recommendations for application

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1. SUBSTRATE

1.1 Suitable substrates Plaster surfaces, bricks, concrete, woodchip, loam rendering.

1.2 General substrate requirements

The surface must be firm, supportive, adherent, slightly absorptive, wettable with water, clean, dry, free of dust, oil, grease, efflorescence, not sanding or chalking, contain no bleeding-through substances.

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

Substrates like lime-sand bricks, gypsum plasterboard and surfaces treated with AURO Natural wall filler No. 329*, high contrast surfaces: prime with Lime-casein wall paint diluted with water up to max. 30 %. Apply tinting, if coloured paint is required.

See our publication *High-grade lime products: Tips for substrate preparation* available for download online.

2.3 After-treatment

After the appropriate preparation of substrate, apply 1-3 coatings with product (diluted up to max. 20%). Leave 24 hours for drying between each coating.

REMARKS

- Use only clean water for mixing. Traces of heavy metals (e.g. from corroded water pipes) can lead to discoloration. It may be necessary to let the water run for a longer period of time.
- Stirring: Best with a drilling machine, if possible with an infinitely variable speed governor with a stirring paddle.
- Place water in a bucket, add complete powder at once, allow to sink a little.
- Deeply immerse the stirring paddle, to avoid foaming, hold the paddle at an oblique angle.
- Stir in the powder at low speed until it is completely wetted.
- Scrape off powder adhering to the walls of the can and mix in.
- Now disperse the powder at the highest available speed for 5 minutes. Ensure that the whole mixture is drawn into the stream.
- Allow to rest for 30 minutes, then briefly stir again at maximum speed. If required, apply tinting and dilute the mixture until there is an even film on the surface and the max. consumption is not reached.
- Excessive application amounts per coat lead to shiny spots and streaking, therefore a trial coating is recommended.
- To assure an optimal durability, avoid too rapid drying of the final coat. Do not allow draught and close windows. The coat should feel wet several hours after application.
- Lime based paints may create a typical, misty structure, depending on the substrate and applied quantities. Normally, 2 to 3 coatings are necessary.
- Application temperature min 8°C, max. 30°C, max. 85% air humidity, optimally 18-25°C, 50-75% air humidity.
- Leave fresh plastering to rest for 4 weeks. For fresco painting it is possible to work on fresh plastering.
- 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.
- 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: 10.01.2014