

AURO Lime-casein Wall Paint No. 751

Type of material/Application

- lime casein wall paint in powder form for interior use, to be mixed with water to produce the paint ready for use
- for white, matt silk interior coatings
- for absorptive mineral and organic surfaces (raw-fibre, loam rendering etc.)
- particularly suitable for alkaline surfaces (e.g. concrete, sand-lime brick, lime- and cement plasters)
- not suitable for permanently damp surfaces and damp rooms

Composition

Hydrated lime, mineral pigments, fillers, milk-casein, soda, cellulose ether.
Our current full declaration is decisive. Please mind possible allergies.

Colour shade

White; can be toned down with AURO Lime-casein coloured Paints No. 770* or max. 5% of AURO Colour concentrates No. 330* or with max. 5% of alkali-stable pigments (relative to the total quantity prepared).

Technical Properties

- good working properties, easily renewable, can be painted over several times
- good adherence, wash-resistant, typical odour
- open-cell (sd - value: 0,02 m)

Application

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 resp. absorbency of the surface, the product can be additionally diluted with max 30% of water. Use only corrosion-resistant tools and cans. Application temperature: 8 to 30°C, max. 85 % rel. humidity.

Drying time under normal climate conditions (23 °C / 50% rel. humidity)

- surface is dry and re-coatable after approx. 6 hours
- completely dry after 24 hours

Working time

The made-up paint must be used within 10 hours. Do not prepare more paint than can be used within this time. During use stir the paint occasionally. Using paint which is older than 10 hours will lower the quality of the coating and impair the abrasion- and wash resistance of the painted surface.

Apparent density	Approx. 0,65 g/cm ³	Hazard class: Not applicable. Observe instructions under "Safety advice"
pH-value	approx. 11 (alkaline)	
Viscosity	Powder form; viscosity of the working paint depends on the amount of water added.	
Consumption	max. 75 g powder/m ² (corresponds to approx. 150 g ready mixture/m ²) per coat	
Thinner	water	
Storage stability	at 18 °C in unopened containers: 2 years. Store cool, frost-free and well closed.	
Cleaning of utensils	Clean utensils immediately after use with water. Remove paint splashes immediately with water. Do not use soap.	
Safety advice	Because of the hydrated lime, the product reacts alkaline, similar to e.g. lime- or cement mortar. Keep out of reach of children. Avoid breathing the dust and contact with skin and eyes. Goggles are recommendable. On contact with the skin, wash off with water. On contact with eyes, wash immediately with plenty of water and seek medical advice. Disposal: Liquid residues: EAK-Code 080112 or 200128, Paints. See Safety Data Sheet and Technical Data Sheet. Packing material: sodium-kraft-paper and PE bag. Completely emptied containers can be returned for tin plate recycling.	

Technical recommendations for application

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1. SURFACE

1.1 Suitable surfaces: Plaster surfaces, masonry, concrete, raw-fibre, loam rendering.

1.2 General requirement for the surface

The surface must be firm, dry, even, clean, grease-free, absorptive, adherent and free from paint-penetrating substances.

2. COATING SEQUENCE (INITIAL APPLICATION)

2.1 Preperation of surface

- Sweep off loose parts and dust off the surface, level holes, cracks etc. with e.g. AURO Natural Wall Filler No. 329* or with other material compatible with the building-material; fix loose wallpaper and let dry.

2.2 Primary treatment

- Prime highly or unevenly absorbent surfaces with the diluted product.
- Depending on the condition of the surface and the method of application, the ready mixed paint can be diluted with up to 30 % water.
- Tone down where coloured surfaces are desired.

2.3 Intermediate treatment

- Apply with a brush or roller evenly and not too sparingly.
- Depending on the condition of the surface and the method of application, up to 20% of water can be added.

2.4 Final treatment

As described under 2.3. Final treatment is unnecessary if the desired result has been achieved with intermediate treatment.

3. RENOVATION OF THE COATING

Preliminary trials should always be carried out on previously painted surfaces to rule out any interaction with the substrate and to proof the compatibility.

3.1 Type of surface: Adhering old coatings, intact surfaces (maintenance).

3.1.1 Preperation of surface

Brush down or vacuum the wall surfaces. In case of heavy soiling, wash the walls.

3.1.2 Basic treatment

No primary treatment is required in case of intact previously painted surfaces.

3.1.3 Intermediate treatment

As described under 2.3

3.1.4 Final treatment

As described under 2.4

3.2 Type of surface: Adhesive-, lime-, und poorly adhering, previously painted surfaces which peel off (repairing).

3.2.1 Preperation of surface

Distempers, poorly adhering, flaking lime paints and old emulsion paints with no adherence ability and no load-carrying capacity should be scraped off completely. Fix loose wallpaper and let dry. Level holes, cracks etc. with e.g. AURO Natural Wall Filler No. 329* or with other material compatible with the building-material.

3.2.2 Further treatment

As described under 2.2 to 2.4.

Information for Use

- Mix only with clean water. 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.
- Produce the mixture in an optimal mixing ratio.
- 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 stand for 30 minutes, then briefly stir again at maximum speed, if required, tone down and dilute the mixture until there is an even film on the surface and the max. consumption is not reached. A huge consumption per application leads to gleamy spots and streaking, therefore it is essential to do a trial coating.
- Avoid and remove any splashes of paint and overcoatings immediately. Maximum resilience of the painted surface is achieved if the final coat is not allowed to dry too quickly (e.g. by keeping windows closed). It should be distinctly wet to the touch for at least 6 hours.
- Depending on the surface abilities and consumption, lime containing powder paints can yield a typical, light clouding surface. Regularly 2 or 3 applications are necessary.

* see our corresponding Technical Data Sheet.

The information contained in this technical data sheet is the result of many years of research and practical experience. This information is only intended as general advice and does not free the purchaser and user from the need to test the product with regard to suitability for the envisaged application. Therefore this information does not imply any warranty or liability. Consultation of our advisory service does not constitute an advisory contract. This document becomes invalid when a new issue appears. Stand: 01.11.2003, with new layout, declaration of parts by weight and parts by volume

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