

AURO Airfresh wall paint No. 328

Type of material

Interior wall paint based on lime with photo-catalytic effect, containing titanium dioxide, free of emissions and synthetic dispersion.

Intended purpose

For white coatings on mineral substrates, e.g. plaster, concrete, lime-sand blocks, mineral paints, clay, woodchip, gypsum plasterboard.

Technical properties

- Consistent ecological choice of raw materials
- Highly moisture vapour permeable (sd value <0.05 m).
- Reduces organic compounds.
- Pleasure room climate, purely mineral, anti-mould.
- Translucent when wet, opaque after drying.
- Over-coatable several times, mat finish with lime appearance.

Composition

Water, calcium hydroxide, titanium dioxide, mineral fillers, cellulose. Natural products are not odour- nor emission-free. May cause allergic reactions. See the current full declaration on www.auro.de.

Colour shades

White, tintable with AURO Lime tinting base No. 350*.

Application method

Apply swiftly and evenly by brush or roller. Airless suitable e.g. for Storch Airless equipment SL1000 or 1500 or the like.

Drying times in standard climate (20 °C / 50% rel. air humidity)

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

Thinner Ready to use, can be diluted with water up to 20%.

Consumption rate Approx. 0.10 l/m² per coat (1l for approx. 10 m²) on smooth, poorly absorptive surfaces. Varies depending on the application method, surface texture and absorptive capacity. Determine exact consumption on sample.

Cleaning of tools Clean tools with water after use. Avoid paint stains and overlapping, remove immediately.

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

Packaging material Polypropylene, metal handle.

Disposal Solid, dried and cured residues can be disposed of as construction waste or household waste. Empty containers can be recycled. Liquid residues: EWC code 080120, designation: Watery suspensions, dispose according to the valid regulations.

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

Mineral surfaces (e.g. plaster, concrete, lime sand bricks), clay, gypsum plasterboard, woodchip wallpaper

1.2 Unsuitable substrates

Wood, synthetics and surfaces similar to synthetics. Plastic-based old coatings or wall panels, glossy and gloss-like coatings as well as non-adhering, unstable old coatings.

1.2 General substrate requirements

Surfaces must be solid, supportive, adhesive, slightly absorptive, water-wettable, clean, free of 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.
- 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 20%), or prime with AURO Plaster primer No. 301*.
- 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 1-3 coats of Airfresh wall paint, diluted with max. 10 % water.

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.
- 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.
- To support the photovoltaic effect, frequent ventilation is recommended,
- 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: 01.05.2013 technical data | 15.08.2013 full declaration