Technical Data Sheet

AURO Ecolith interior No. 341

Type of material
Particularly abrasion-resistant lime paint with graphene technology, for matt white mineral finishes on interior wall surfaces.

Intended purpose
Paint for white coatings on mineral substrates, e.g. plaster, concrete, lime-sand stone, wall paints (dispersions, lime, mineral paints), woodchip wallpaper, gypsum plasterboard, reworkable old coatings.

Technical properties
- Consistently ecological choice of raw materials.
- Resistant to mould due to high alcalinity of the product.
- Highly moisture-vapour permeable (sd value class 1); non-flammable.
- Wet abrasion resistance class 1. Excellent covering power.
- Degree of whiteness of more than 98%.
- No formaldehyde or VOC emissions.
- Glazing in wet state, dries up opaque white.
- High grade lime and graphene produce a natural matt surface.

Composition
Water, calcium hydroxide, titanium dioxide, mineral fillers, cellulose, graphene. See the current full declaration and our raw material guide on www.auro.de.

Colour shade
White. For coloured design, use AURO COLOURS FOR LIFE Ecolith interior No. 584. For available colour shades, see www.auro.de/en.

Application method
Apply swiftly and evenly, without lap marks, with brush or roller. For a consistent coating we recommend a short-piled wall paint roller. The product can be sprayed, e.g. with Storch Airless equipment SL1000, 1500, or the like.

Drying time in standard climate (20 °C / 50% relative air humidity)
- Recoatable after approx. 4 hours, depending on temperature, air and substrate humidity.
- Low temperatures delay the drying process.
- High air humidity promotes the carbonation (hardening through carbon dioxide).
- Final strength is obtained after several weeks.

Density: 1,37 g/ml.

Thinner: The product is not ready for use, it must be diluted with approximately 10% of water before use.

Consumption rate
Approx. 0.06-0.10 l/m² per coat (1 l for approx. 16 m²), on smooth, slightly absorptive surfaces. May vary depending on the application method, texture and surface absorptivity. Determine exact consumption on sample.

Cleaning of tools
Press product residues out of brushes or rollers immediately after use and wash thoroughly in water. If necessary, add AURO Plant Soap No. 411*. Avoid paint splashes and overlaps, remove material immediately.

Storage
Store cool, dry, frost-free, out of reach of children, tightly closed original container. Before closing the container, remove paint residues from the lid and the edge of container. Storage stability In original closed container at 18 °C: 24 months.

Packaging material: Polypropylene.

Disposal
Dried residues or residues hardened with cement can be disposed of as construction waste or household waste. Empty containers can be recycled. Liquid residues: EWC code 080120, designation: Watery suspension; dispose according to the corresponding regulation.

Safety advice: Contains calcium hydroxide. Hazard designation: Code letter, risk designation: C, corrosive. Hazard class Does not apply.

Attention
Strongly alkaline, ph value > 12. For information on the safe handling of the product, for product labelling and for hazardous goods regulations, please refer to the current Safety Data Sheet and the product label.

EU-VOC limit value according to 2004/42/EGII A (aWb): 30 g/l; product VOC: < 1 g/l. GISCODE BSW 60.

Technical recommendations for application

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1. SUBSTRATE

1.1 Suitable substrates indoors

Mineral substrates, plaster, concrete, lime sand brick, woodchip wallpaper, clay, gypsum plasterboard, reworkable old coatings, also plastic-based dispersions.

1.2 Unsuitable substrates

Wood, synthetics, surfaces similar to synthetics, latex paints, glossy and gloss-like coatings, non-adhering, unstable old coatings, oil paints, natural resin paints.

1.3 General substrate requirements

Substrate must be dry, solid, supportive, adhesive, 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 AURO Natural wall filler No. 329 or AURO High-grade lime filler No. 342, sand smooth, remove burrs.
- 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, highly absorptive substrates, and substrates treated with AURO Natural wall filler No. 329*, AURO Skim coating No. 339* or similar: Prime with AURO Plaster primer No. 301*.
- Non-absorbing substrates and reworkable old coatings must be roughened and, if necessary for texture adjustment, prepared for coating with AURO High-grade lime plaster, fine No. 345*.
- See our publication: *High-grade lime products: Tips for substrate preparation* available for download on www.auro.de/en.

2.3 Final treatment

- After preparing the surface appropriately, apply 1-2 coats of AURO Ecolith interior, diluted with 10 % water.
- On substrates that are very rich in contrast, a third coat may be required for full coverage.
- Keep the minimum drying time of 4 hours between coats (at 20 °C / 50-75% relative air humidity).
- Ecolith products should be spread onto the surface in thin layers.
- Masking work can take place after at least three days of drying time.

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 uncoated to dry for at least 4 weeks.
- Lime paints should preferably be applied by a wide brush in crossing movements. When rolling, finish the application process by levelling the surface by rolling in vertical direction without taking up new paint.
- 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.
- Slightly cloudy 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.
- Product does not contain any special anti-mould or anti-fungi agents.
- Observe general recommendations, guidelines etc. of the German Association of Plastering, e.g. their leaflets No.2 and 6.
- All coating work must be adapted to the given object and its use and preferably be tested on small spots.
- Product can cause allergies.

* 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: 2 February 2026