Technical Data Sheet

AURO Ecolith exterior No. 343

Type of material
Particularly abrasion-resistant lime paint with graphene technology, for matt white mineral finishes **on interior and exterior wall surfaces**. Ideal for painting facades with a matt white, mineral surface. Can be used as first coating or for renovation.

Intended purpose
Paint for white coatings on mineral substrates, e.g. plaster, concrete, lime-sand stone, clay, reworkable dispersions, lime, mineral paints.

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.
- Suitable for the remineralization of facades with plastic coatings
- High grade lime and graphene produce a natural matt surface.

CE marking
EN1504-2 surface protection system for moisture regulation of concrete:
Adhesive pull strength ≥ 2 N/mm². Water absorption by capillarity w < 0,01 kg/m²/h 0,5.

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 exterior No. 594. For available colour shades, see www.auro.de/en.

Application method
Apply swiftly and evenly, withoiut 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 SL 1000, 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 delays 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, clay, reworkable old coatings, e.g. dispersions, lime, mineral paints, also plastic-based dispersions.

1.2 Unsuitable substrates

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

1.3 General substrate requirements

Substrate must be 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 (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.
- Remove algae, fungi, lichens and the other soilings with suitable products.
- Remove badly adhering, peeling coatings completely. Repair surface damages with suitable materials.
- Structural cracks, as well as moisture problems due to capillary effects or condensation have to be removed before surface coating.
- Protect adjacent areas, especially glass, ceramics, wood, metal, from staining.

2.2 Basic treatment

- Non-absorbing substrates, reworkable old coatings, plastic dispersions, dense filling compounds: Clean and roughen the surface.
- Absorbing substrates, e.g. concrete, plaster, brick etc.: Prime with AURO Plaster primer No. 301*.
- In case of contrasting substrate colours, e.g. after partial plaster repair work or removal of old paint coats, prime with AURO Grip coat No. 506 to level the lime-typical temporary transparency that can occur when it rains directly onto the surface.

2.3 Final treatment

- After preparing the surface appropriately, apply 2 coats of AURO Ecolith exterior, diluted with 10 % water. A third coat can be applied to prolong the durability of the coating. Renovation coats of the same colour shade may need only one coat.
- Keep the minimum drying time of 4 hours between coats (at 20 °C / 50-75% relative air humidity).
- Protect the painted surface from rain for at least 4 days.
- Masking work can take place after at least three days of drying time.
- Ecolith products should be spread onto the surface in thin layers.

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 with a paint stirrer (e.g. attachment on a drill) before use (product is thixotropic).
- Do not mix with products other than those recommended.
- Leave new plaster uncoated to dry for at least 4 weeks.
- 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.
- 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.
- All coating work must be adapted to the given object and its use or/and tested on samples.
- 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