

AURO High-grade Silicate paint No. 303

Type of material: Ready to use ecological silicate emulsion paint for interior use according to DIN 18363, par. 2.4 and DIN EN 13300.

Intended purpose: For low-emission, highly covering and diffusion-open coatings without preserving agents. Suited for all standard coatings on interior wall and ceiling surfaces, e.g. on plaster, clay, concrete, lime sandstone, gypsum, gypsum plasterboard, woodchip wallpaper and others.

Technical properties

- Consistently ecological ingredients
- Easy application, low dripping or spattering
- Very open-pored (sd value: < 0.01)
- Fungicide, algicide effect due to natural product alkalinity
- Free from preserving agents, low emission according to AgBB scheme
- Contrast ratio (opacity at a spreading rate of 7,5 m²/l): Class 1 according to DIN EN 13300
- Wet scrub resistance: Class 2 according to DIN EN 13300

Composition: Water, mineral fillers, potassium water glass, titanium dioxide, Replebin®, silicates, surfactants made of rapeseed oil, castor oil, xanthan, cellulose, amines. See the current full declaration on www.auro.de.

Colour shade: White, non-yellowing, can be tinted with up to 10% Full-shade tinting colour No. 330*. Colour examples can be seen in our Colour Designer on www.auro.de/en/.

Application method: Brush on with mineral paint brushes, rollers.

Drying time in standard climate (20°C/ 60% rel. humidity)

- Dry and re-coatable after approx. 4-6 hours. Fully dry and loadable after approx. 48 hours.
- High humidity levels and low temperatures prolong drying times.
- Provide for adequately tempered ventilation during the drying period.

Density: Approx. 1.54 g/ml

Thinner: Ready to use

Consumption rate Approx. 0.125 to 0.15 l/m² per coat, depending on substrate, application method and surface quality. Determine exact consumption on sample.

Cleaning of tools Remove product residues immediately after use by brushing out from the tools before it dries, wash with water, add AURO Plant soap No. 411* if necessary. Remove stains and splashes with water immediately.

Storage Store the tightly closed container in a dry, cool, frost-free place, out of reach of children. Before closing the container, clean the lid and the edge of the container, remove adhering paint.

Storage stability: at 18 °C in original, sealed container: 12 months.

Packaging material: Polypropylene, metal handle.

Disposal: Liquid residues: EWC Code 080112, designation: Paints. Return only emptied containers with dried product residues for recycling. Only dried product residues can be composted or disposed of with household waste.

Attention: Observe the usual protection measures. Observe the important notes on the safe handling of the product, on labelling and hazard information that are to be found on the label and in the current Safety Data Sheet on www.auro.com (see Downloads). Observe Technical Data Sheets*.

EU VOC value according to 2004/42/EC II A (aWb): 30 g/l (2010). Product VOC: ≤ 1 g/l. GIS Code: M-SKo1 Silicate paints.

Technical recommendations for application

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1. SUBSTRATE

1.1 Suitable substrates

Plaster, concrete, lime sandstone, brickwork, clay, gypsum plasterboards, gypsum plasters, intact, wettable old coatings (dispersions, lime paints, silicate paints), mineral, untreated, absorbent, silicifiable surfaces.

1.2 Unsuitable substrates

Wood, metal, lacquers, oil paints, distempers.

1.3 General substrate requirements

The substrate must be stable, dry, absorbent, wettable, clean and free of dust, grease and efflorescence. Completely remove loose parts, dust, soiling, oily substances, moss and algae as well as sintered layers on fresh plaster or concrete surfaces. Fill holes, cracks, etc. with material suitable for use on the respective construction material. In case of an application on a clay substrate, carry out a test application first.

2. COATING SYSTEM (FOR INITIAL COATING)

2.1. Substrate preparation

Brush off loose particles. Flourey and sanding substances must be removed by brushing. Remove sinter skin by grinding, wash off releasing agents. Fill holes and cracks with suited wall filler, sand smoothly and remove burrs. Carefully reseal wallpaper seams; remove lime residues. Completely remove poorly adhering, peeling coatings, as well as old coatings that have a poor wetting ability or are otherwise improper. Protect surrounding areas that are not to be painted. Remove paint splashes immediately.

2.2 Basic treatment

Intact, uniformly or poorly absorbing substrates can be primed with AURO Grip coat no. 505*.

Intensely or varyingly absorbent surfaces are primed with AURO Plaster primer No. 301*.

2.3 Intermediate treatment

Apply AURO High-grade Silicate paint No. 303* evenly with a mineral paint brush or roller. For coloured finishes, the Silicate paint can be tinted with up to 10% of Full-shade tinting colour No. 330*. In order to test the colour effect in a room, it is recommended to carry out a test coating on a representative test area.

2.4 Final treatment

Proceed as described in 2.3. Final treatment is not necessary if intermediate treatment already produces the desired result.

3. REMARKS

- Before application, check substrate on suitability and compatibility.
- Avoid direct exposure to sunlight, moisture influences and dirt during application.
- Mix products with different batch numbers prior to application to offset batch-induced differences.
- Process temperature at least 10 °C, max. 30 °C, max. 85% rel. humidity, optimal 20-23 °C, 40-65% rel. humidity.
- Stir thoroughly prior to application.
- Protect surrounding surfaces, remove stains and spatters immediately with water and AURO Plant soap No. 411*.
- Leave new plasters and lime-sand brick walls untreated for at least 6 weeks; neutralise if necessary.
- Let sealants dry sufficiently before they are painted over. Cracks and discolourations can appear on sealants.
- Slightly cloudy or streaky surfaces can form, depending on the given object conditions (e.g. large surfaces exposed to intense light). Consequently, avoid partial drying and work speedily wet-on-wet. Due to the silicification process, colour deviations are to be regarded as typical for the material.
- Check and maintain the surfaces regularly for optimal, permanent protection and immediately repair damaged areas.
- Observe the state of the art for planning and coating (applicable regulations and procedures).
- All coating work must be adapted to the given object and its use.

* 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: June 21, 2016