Technical Data Sheet

AURO Silicate binder No. 304

Type of material
Ready-for-application, water glass binding agent for pure silicate paints containing no acrylic binding agents.

Intended purpose
As a primer and diluent for follow-up coats in combination with AURO Silicate paint No. 303* for white, matte, interior paint coats.

Technical properties
- Easy application
- Fungicide, algicide effect due to product alkalinity
- Non-combustible, non-flammable
- Very open-pored (sd value: ‹ 0.05 m)

Composition
Potash water glass, water, caustic potash, citric acid. Natural products are not odour- nor emission-free. May cause allergic reactions. See the current full declaration on www.auro.de.

Colour shade Transparent, colourless

Application method Brush on with mineral paint brush.

Drying time in standard climate (20 °C/ 60% rel. humidity)
- Dry and re-coatable after approx. 16 hours.
- Thoroughly dry after approx. 48 hours.

Density Approx. 1,15 g/cm3. **Hazard class** Does not apply. **Viscosity** Thin.

Thinner Dilute with water for priming. Do not dilute with water for use as additive to AURO Silicate paint No. 303*.

Consumption rate For priming, diluted 1 : 2 with water, approx. 0.04 to 0.06 l/m2. **Apply thin layers.** Thick layers may result in flaking. Determine exact consumption on sample.

Cleaning of tools Immediately after use, remove product residues by brushing out, before drying. Wash tools with water. Spots and splashes should be removed with water immediately. Remove stubborn product residuals by use of AURO Plant soap No. 411* and water.

Storage stability Store cool, frost-fee, out of reach of children. Storage stability at 18 °C in original, sealed container: 24 months

Packaging material Polypropylene. Return only containers emptied completely and containing dried product residues for recycling.

Disposal
Only dried product residues can be composted or disposed of with household waste. Liquid residues: EWC code 080112 or 200128, designation: Paints.

Attention
PH-Value approx. 12 (strongly alkaline). Due to the potash water glass contained in this product it shows alkaline reactions similar to those observed with lime or cement mortars. Protective goggles with lateral shielding and alkali-resistant protective gloves are recommended during application. Avoid skin and eye contact. In case of skin contact, rinse off immediately with water. In case of eye contact, flush immediately with plenty of water and consult a physician. See Technical Data Sheets*.

REMARKS
- Application temperature at least 10 °C, max. 30 °C, max. 85% rel. humidity; optimal 20-23 °C, 50-65% rel. humidity.
- Avoid direct exposure to sunlight, moisture influences and dirt while the coat is drying.
- The normal moisture level of the substrate must not be exceeded.
- Fresh plasters, in particular lime plasters, must be allowed to dry uncoated for at least 6 weeks.
- Stir well before and during application.
- Protect surrounding surfaces before beginning with application.
- Carry out test application before applying to large surface areas.
- Avoid splashing and paintovers and remove immediately.
- Pure silicate paints may dry to produce a typical, slightly cloudy surface, depending on the substrate properties and the application volume.

Technical recommendations for application AURO Silicate Binder No. 304

1. SUBSTRATE

1.1 Suitable substrates
Mineral, untreated, absorbent, silicifiable surfaces (plasters, concrete, sand-lime brick, old silicate paints), for interior use.
1.2 General substrate requirements
- Substrate must be firm, dry, absorbent, connecting with water, clean and free of dust, grease and efflorescence.
- Completely remove loose parts, dust, soiling, oily substances, moss and algae as well as old coats of paint (with the exception of pure silicate paint) and sintered layers on fresh plaster or concrete surfaces.
- Fill holes, cracks, etc. with material suited to use on the substrate construction material.

2. COATING SYSTEM (FOR INITIAL COATING)

2.1. Substrate preparation
Prime highly absorbent substrates with diluted Silicate binder No. 304 (1 part No. 304, 2 parts water).
The priming coat must leave no surface excess. Work and rub in thoroughly. Allow to dry for at least 16 hours.
2.2 Basic treatment
Apply AURO Silicate paint No. 303*, diluted with 20% AURO Silicate binder No. 304 with no accretion edges, wet on wet. Allow to dry for at least 16 hours.
2.3 Intermediate treatment
Apply AURO Silicate paint No. 303*, diluted with 10% AURO Silicate binder No. 304 with no accretion edges, wet on wet. Allow to dry for at least 16 hours.
2.4 Final treatment
Apply AURO Silicate paint No. 303* undiluted. The final coat is not required if the desired result was already achieved with the intermediate coat.

For pastel tinting, stir max. 2% alkali-resistant mineral pigments into the AURO Silicate paint No. 303*. Tinting can also be done be- fore the base coat is applied. Ask about factory tinting to achieve stronger tones.

3. COATING SYSTEM (FOR RENOVATION COATING)

3.1 Type of substrate Intact surface (maintenance)
3.1.1 Substrate preparation
Sweep or vacuum stably adherent old coats, clean thoroughly. Heavy soiling must be washed off.
3.1.2 Basic treatment Not required if old paint is intact.
3.1.3 Intermediate treatment Not required if old paint is intact.
An intermediate coat as per 2.3 is recommended on strongly coloured substrates.
3.1.4 Final treatment As described under 2.4.

3.2 Substrate type Heavily worn or damaged surface (repair)
3.2.1 Substrate preparation
Remove poorly adherent, flaking old coats completely.
3.2.2 Basic treatment
Prime as described under 2.1 as required, e.g. on surfaces that are highly or unevenly absorbent.
3.2.3 Intermediate treatment As described under 2.2.
3.2.4 Final coat As described under 2.4.

* See respective Technical Data Sheets.