

Art Caltino

High-grade silica based decorative surfacer with natural surface aspect. Ideal for matt surfaces of concrete and natural stone aspects.



Product characteristics

- Properties**
- Matt concrete and natural stone looks
 - Versatile structures can be achieved
 - For a comfortable room climate
 - Moisture regulating
 - The high alkalinity is a natural protection against algae and fungal infestation on the coating
 - Diffusion-capable
 - Hard-wearing
 - Pasty and ready for use
 - Without preservatives
 - Solvent- and plasticizer-free
 - 16 attractive colours can be achieved via the ALLFAcolor-tinting machines

Areas of application Interior only

- Suitable substrates in detail**
- Sophisticated living quarters
 - Representative areas (reception hall, hotels, banks, conference halls, etc.)

Material description

- Binder** Potassium water glass
- Ingredients** Fillers
Additives
- Average consumption (short text)** Approx. 2.0 kg/m² for the finished surface, on smooth substrates
- Average consumption** It is advisable to determine the exact consumption figure by producing a sample area.
- Colour shade** 16 shades
- Suitable tinting paints** Can be tinted via the ALLFAcolor tinting machines. Please note that with tinted products the specified properties may change.
- Gloss level** Matt
- Storage** Cool, but protected from frost
- Thinning** Water

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Substrates

Suitable substrates

- All usual mineral substrates (plasters/renders, concrete, masonry)
- Gypsum plaster
- Gypsum building boards
- Gypsum wallboards
- Solid, mineral and organic existing paint layers

Substrate conditions

The substrate must be clean, dry, firm and sound. Follow the building regulations (in Germany VOB Part C, DIN 18363, Section 3). The substrate must be even and levelled in order to be without be any irregularities, holes or cavities. Minor unevennesses can be levelled out with the material. Prime gypsum based substrates (also surfaces that are only partly smoothed) with Multi-Grund 3 in 1 LEF. Otherwise the silicate based binder will chemically react with the gypsum, which might result in colour changes.

Substrate conditions

Concrete

Remove forming oil, grease and wax by washing with surfactant. Remove any sintered layers mechanically. Check the absorbency of the concrete by wetting tests. In addition, the guidelines according to BFS Fact Sheet No.1 apply for exterior coatings and the guidelines according to BFS Fact Sheet No. 8 for interior coatings.

Gypsum blocks

Adjust the primer to absorbency. With coatings destined to bridge capillary cracks, reinforce completely using a fleece. In addition the guidelines of BFS-Fact Sheet No. 17 apply.

Gypsum building boards (interior)

Adjust the primer to absorbency. With coatings destined to bridge capillary cracks, reinforce the entire surface using a fleece. In addition the guidelines of BFS Fact Sheet No. 12 apply. Ingredients which might penetrate have to be isolated before following coatings.

Gypsum plaster, gypsum sand plasters etc.

Remove any sintered layers. For first coatings take care of a sufficient penetration of the primer (e. g. by using a penetrating primer). Additionally the guidelines of BFS Fact Sheet No. 10 apply.

Derived timber products (chipboards, OSB-boards etc.) - interior

Have to be covered with a suitable gypsum board or gypsum fibre board as otherwise cracks may occur in the area of butt-joints.

Aerated concrete - interior:

In case of rooms of high humidity, external walls have to be additionally treated by a moisture guard, applied onto their insides. This can be effected applying a two-component coating like e.g. Hydrobox. In addition the guidelines of BFS Fact Sheet No. 11 apply.

Base renders (interior):

Mineral base renders must be thoroughly cured and dry, because otherwise discolouration, in particular with tinted following coats, may occur. As a rule of thumb assume 1 day drying time per mm of layer thickness, but correspondingly longer at low temperatures and high humidity. Excessive temperatures and low relative humidity also lengthen the setting process. Treat replastered locations with fluosilicate. In addition, the guidelines according to BFS Fact Sheet No. 10 apply.

Application

Application method

Application by trowel

Coating system

Prepare the substrate as described in "substrate conditions". Take care for a sufficient drying. Then proceed with the coating structure. Pay particular attention to the preparation of gypsum based substrates. Afterwards the application can take place as specified.

Application

With the tinted material the paste needs to be mixed well with the basic material.

Classical Art Caltino appearance:

Working Phase 1: One full surface trowel application (Venetian trowel) of Art Caltino in the desired colour shade, applied in a slightly irregular structure but homogenous layer thickness. This trowel application should be drawn in different directions.

Working Phase 2: Apply Art Caltino onto the entirely dried surface by means of a Venetian trowel, in the desired surface finishing aspect.

Allow a flash-off time of approx. 20 to 30 minutes and slightly smooth down using the same trowel.

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Concrete look:

Working Phase 1: One full surface trowel application (Venetian trowel) of Art Caltino in the desired colour shade, applied in a slightly irregular structure but homogenous layer thickness. This trowel application should be drawn in different directions.

Working Phase 2: Apply Art Caltino onto the entirely dried surface by means of a Venetian trowel and in the desired surface finishing aspect. Use a sponge board to partly roughen the fresh Art Caltino layer in order to achieve the **concrete look**. Joints can be created / imitated with a wooden strip. The rings, usually visible with poured concrete, can be imitated with a roll's shaft or other round items. After a short flash-off time of approx. 20 to 30 minutes, slightly smooth down with the Venetian trowel.

Natural stone look:

Working Phase 1: One full surface trowel application (Venetian trowel) of Art Caltino in the desired colour shade, applied in a slightly irregular structure but homogenous layer thickness. This trowel application should be drawn in different directions

Working Phase 2: Apply Art Caltino onto the entirely dried surface by means of a Venetian trowel and in the desired surface finishing aspect. Either put the product in two different colour shades onto the trowel and mix them with the application, or apply the main colour to the entire surface and then, wet-on-wet, an accent colour shade, using a Venetian trowel. Use a coarse structuring tool to partly roughen the fresh Art Caltino coat, in order to achieve a **natural stone look**. Allow a short flash-off time of approx. 20 to 30 minutes, then smoothen down with the Venetian trowel. Now you can create joints or streaks by scratching them into the dried Art Caltino layer with appropriate tools (like e.g. a folding rule) - loosened material should be removed (e.g. by hand).

Note

For coatings with Art Caltino, gypsum containing substrates must always be primed with Multi-Grund 3 in 1. With partly levelled surfaces, those areas need to be primed with Multi-Grund 3 in 1 (which means two coatings in total). Otherwise a reaction between the silicate binder and the gypsum may occur which might result in discolourations.

Check tinted paint for colour accuracy prior to the application. Objections regarding the colour shade cannot be accepted after the application.

The figures given for parameters are average values. Due to the use of natural raw materials in our products, the actual value determined on the individual supplied product may differ slightly without affecting its suitability. These data refer to the white respectively standard product. Tinting may cause deviations.

With varying absorptivity and substrate moisture as well as with alkalinity, the chemical binding process - particularly with tinted products - may provoke irregular drying.

Adjacent areas, particularly glass, ceramics, clinker, need to be masked carefully, as the product may affect the surface.

Compatibility

Do not mix with other products.

Practical hints

Masking Works

On completion of the coating, particularly with glossy dispersion paints and / or higher layer thicknesses, immediately remove adhesive tapes, in order to avoid untidy contours.

New mineral Substrates

New mineral substrates may only be coated after setting and drying, not earlier than after 14 days, better after 4 weeks. In unfavourable drying conditions, the waiting period can be prolonged.

Efflorescences on the Surface

The chemical setting process of silicate products may cause precipitation of potash on the surface. In interior, this can normally be dry removed, e.g. by vacuum cleaning. In exterior, potash will normally disappear under the influence of water (e.g. rainfall).

Covering measures

Cover adjacent areas, especially glass, ceramics, clinker, carefully, as water glass containing products may affect their surfaces.

Continuous Surfaces

Before processing on continuous surfaces, especially with tinted material, check for colour consistency or mix the required quantity in advance. In order to avoid laps, apply wet-on-wet.

Temperature limit

Between + 8° C and + 30° C for substrate and ambient air during processing and drying.

Drying time

At + 20° C for substrate and ambient air and 65% relative humidity (RH), allow to dry for approx. 24 hours. Final hardness after approx. 3 days. Lower temperature or a higher humidity extend the drying time.

Tool cleaning

Immediately after use with water and soap

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Information

General information	Keep out of reach from children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow to enter drains, waterways or soil. Clean tools immediately with water and soap. The coating material is highly alkaline. Therefore protect skin and eyes from paint splashes.
Declaration of ingredients	Poly acrylate dispersion, potassium water glass, calcium carbonate, fillers, water, additives
Observe safety data sheets	Further details: See Safety Material Data Sheet (MSDS)
VOC content (in gram per litre)	< 1 g/l
WHC	1 (weakly water-polluting)
Waste disposal	Only completely emptied containers should be given for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried hardened product residues as construction site/demolition/ municipal or domestic waste.

System specific and system completing products

Multi-Grund 3 in 1

Art Deco Imprägnierung

This data sheet cannot deal with all types of application arising in practice. Therefore, we cannot be held responsible for their content. These instructions do not release the purchaser / applicator from his responsibility of professionally examining the substrate and determining the suitability of the product in consideration of the project characteristics. In case of queries please request the technical assistance of ALLIGATOR FARBWERKE.