

ELOSOL

Sol-silicate facade mineral paint

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VFL
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Properties

ELOSOL is a water-dilutable, cloth-matt and non-film-forming sol-silicate mineral paint for universal use in facades. Due to the binder combination of silica sol and water glass, ELOSOL silicifies with the substrate to form a chemical bond and provides optimum moisture balance thanks to its high water vapour permeability.

ELOSOL dries without leaving any marks or stains and achieves excellent adhesion to mineral substrates as well as to old dispersion coatings and plastic plasters. ELOSOL coatings are extremely resistant to abrasion, have a low sensitivity to dirt and offer high resistance to weathering and color shades. Thanks to the product-specific alkalinity, an algae and mould inhibiting effect is achieved.

Field of application

ELOSOL sol-silicate facade mineral paint is suitable for all mineral substrates as well as for the renovation of old dispersion paints and synthetic plasters in exterior areas.

Pretreatment

The substrate must be clean, dry and load-bearing. Absorbent, chalky or sandy substrates should first be consolidated with ELOXIT fixative. Freshly applied plastic, silicone or mineral plasters must be thoroughly dry before painting over, otherwise stress cracks may occur. Glass areas (window panes), natural stone, clinker, aluminium parts etc. must be well covered, otherwise they can become matt when in contact with ELOSOL.

Processing

Do not use below 8 °C. Avoid direct sunlight, draughts and excessively warm surfaces (dehydration).

System structure

New construction on mineral substrates

- 1 x ELOXIT fixative colourless
- 2 x ELOSOL sol-silicate facade mineral paint in the desired shade

Renovation on intact old coats

- 2 x ELOSOL sol-silicate facade mineral paint in the desired shade

Compatibility

Due to the alkalinity of ELOSOL, discolouration may occur when using hybrid sealants.

Drying

- ◆ Dust dry after about 1 hour
- ◆ Firm to the touch after approx. 4 hours
- ◆ Can be painted over after about 12 hours
(depending on the temperature, application quantity and humidity)

Dilution

With water or with ELOXIT fixative. Dilute with 0–5 % for rolling and brushing. Dilute with 5–10 % for spraying and for painting over plasters.

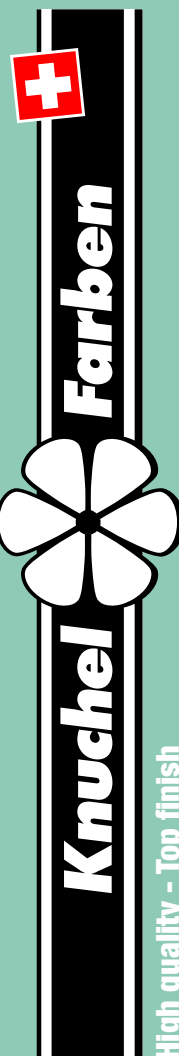
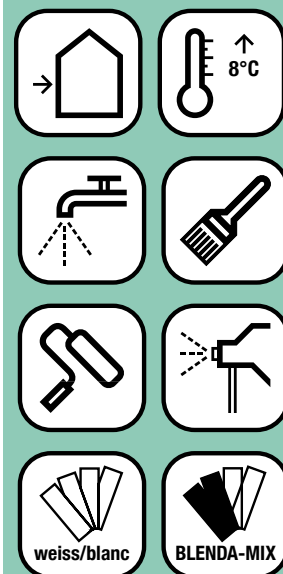
Extensiveness

4–5 m² per kg per application, depending on the quantity applied and the condition of the substrate.

Application

Brush, roller or spray gun.

The following nozzle is recommended for airless spraying:



- GRACO RAC5 262315 or larger
- WAGNER Trade Tip 3 553315 or larger

If spraying is interrupted, the nozzle must be removed and cleaned (sol-silicate, danger of blockage). In order to achieve optimum results, it is very important to use the right tools – see KNUCHEL GUIDE on brush and roller qualities. You will find this guide both in the catalogue and on the homepage as an attachment to this product.

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|---------------------------|--|
| Cleaning | Clean tools with warm water immediately after use. Dried-in residues can only be removed with cleaning thinner or brush cleaner. |
| Delivery form | Colour shades in the COLORAMA-Mix tinting system in packages of 15 and 5 litres as well as 1000ml. |
| Shelf life | ELOSOL can be stored for at least 12 months in the well closed original container. Store in a cool but frost-free place. Diluted material reduces the shelf life, depending on the degree of dilution and water quality. |
| Viscosity | Slightly thixotropic |
| Density | 1,45 ± 0,05 g/cm ³ |
| Solid content | 58 ± 1 % |
| Binder base | Potassium water glass (silicate) / Silica Sol / Stabilised pure acrylate Organic share < 5 %. |
| Pigment base | Titanium dioxide |
| Fillers | Mineral fillers |
| Gloss level | cloth mat |
| Vapour diffusivity | sD value: 0,01 m / w1 value: 0,01 (kg/m ² -h ^{1/2}) |
| Colours | White (as base W) A wide range of pastel shades (Knuchel-Inspiration, RAL, Colortrend-E, NCS etc.) with inorganic pigments based on W are available under the COLORAMA tinting system BLENDAMIX. |
| Precautions | Protect eyes and skin from splashes. |
| Registration | CPID 623098 |
| Classification | For information on chemical properties and hazards as well as regulations regarding transport, processing, storage, disposal, etc., please refer to the safety data sheet. |
| Note | This leaflet is only intended as a reference and non-binding advice. The processing must be adapted to the corresponding conditions. In special cases we recommend to contact our technical service. However, all data and information on the suitability and application of the delivered products do not exempt the processor from carrying out his own tests and trials. A claim for damages for omitted, incomplete or incorrect information is excluded. This applies in particular also if other products are used in the paint build-up system. Furthermore, we refer to our General Terms and Conditions (GTC) on our homepage. |