

# LEINOS 690

## Silicate Paint

**Application:** Dispersion Silicate Paint for all load-bearing interior wall and ceiling surfaces, with the exception of lacquer and latex coatings.

**Technical Characteristics:** Wet abrasion class 2, contrast ratio class 2, sd value approx. 0.01m, pH value approx. 11. Mould-preventive: The product reacts alkaline and through silicification processes. As a result, the colour ingredients are not available to organisms (mould, algae, fungi, etc.) as a source of food.

**Color:** Natural white.

**Ingredients:** Water, potassium water glass, mineral pigments, organic binders.

**Package Sizes:** 2,5l / 10l

**Substrate and Preparation:** Plaster substrates that have not yet been painted, as well as gypsum plaster and plasterboard walls, should first be pre-treated with LEINOS Silicate Primer 621. Pre-treatment with LEINOS 621 Silicate Primer is also advisable for levelling different absorbencies, e.g. filler and repair areas. Substrates with water-soluble, discolouring ingredients must first be tested for suitability. If in doubt, apply a test coat. Please note that this primer will make smooth substrates somewhat grainy.

**Processing:** The Silicate Paint can be easily applied by brush, roller or spraying after stirring. If necessary, dilute the first coat with max. 10 % water. Paint the final coat undiluted. After approx. 4 hours, the Silicate Paint can be recoated with Silicate Paint for a second coat. Sprayability (non-binding guide values): After appropriate Thinner and sieving of the paint, LEINOS Silicate Paint 690 can be applied accordingly. Airless: Working pressure approx. 100 bar, nozzle 0.25 mm, without gun filters, 50° spray angle.

**Drying Time:** At 20 °C and 50 % relative humidity: Dust dry after approx. 3 hours and can be painted over with LEINOS Silicate Paint 690 after approx. 4 hours. The Silicate Paint is fully cured after 24 hours and can be glazed with LEINOS Silicate Primer 621 (diluted 1:3 to 1:5 with water) and the alkali-resistant LEINOS Pigment Concentrates 668 for colouring. Ensure good ventilation!

**Consumption:** 1 litre is sufficient for 5-8 m<sup>2</sup> per coat, depending on the absorbency of the substrate. The consumption is approx. 150 ml/m<sup>2</sup>.

**Thinning and Cleaning Agents:** Product is ready to use. Clean with water and LEINOS Vegetable Soap 930.

**Storage and Shelf Life:** Stable for at least 12 months when originally sealed. Store in a cool, dry and sealed place. Protect from frost. Opened containers and diluted preparation cannot be stored.

**Special Notes:** All LEINOS Silicate Paint products are particularly suitable for historical buildings, but also for use in modern architecture. In contrast to conventional paints bound with synthetic resins, silicate paints do not form a paint film after drying, but a paint layer. The ageing of these silicate paints is characterised by a continuous, very slow reduction in coating thickness. In technical literature, this behaviour is referred to as "chalking". This chalking is a typical property of the material and NOT a product defect. To achieve optimum results, the material must be thoroughly stirred and sieved before use so that dried colour particles are removed from the edge of the bucket or lid. These are typical properties of the material and NOT a product defect. VOC content: 1 g/l, EU limit value: 30 g/l (cat. a). EAK: 08 01 20

**Hazard statements:** Safety data sheet available on request.



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**Precautionary statements:** Keep out of reach of children. Avoid release to the environment. Dispose of contents/container to an appropriate recycling or disposal facility. Do not get in eyes, on skin, or on clothing. Caution! Product is alkaline! Protect eyes and skin against splashes. Splashes on glass, natural stone, aluminium, wood and paint should be washed off immediately with plenty of water.

To achieve optimal results, please observe the Technical Data Sheets of all products used. The information is based on the current state of our knowledge and experience. However, it does not constitute a guarantee of product properties and does not establish a contractual legal relationship. With the publication of this Technical Data Sheet, all previous information becomes invalid. Status: 24. März 2026