

LEINOS 694

Silicate-Hybrid Paint

Application: Adhesive and finishing coat for embedding LEINOS Coating Fleece 725 in accordance with VOB DIN 18363, as well as for creating high-quality surfaces. For all load-bearing interior wall and ceiling surfaces, with the exception of paint and latex coatings.

Technical Characteristics: In combination with an embedded glass fibre fleece, fire protection class A2 (non-combustible) is achieved in accordance with DIN 4102. A correspondingly classified substrate is required. 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 food source.

Color: Natural white.

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

Package Sizes: 2,5l / 10l

Substrate and Preparation: All surfaces to be reinforced must be prepared professionally in accordance with VOB Part C DIN 18636 or the BFS data sheets. Carefully remove wallpaper and paste residues. Depending on the quality requirements, the substrate should be at least a good Q2 levelling compound. Substrates with water-soluble, discolouring substances must be checked for suitability beforehand. Alkali-sensitive substrates must be covered. Smooth and non-absorbent substrates must be primed with LEINOS Mineral Plaster Primer, substrates with varying degrees of absorbency with LEINOS Silicate Primer 621, diluted 1:1 to 1:3 with water. LEINOS Silicate-Hybrid Paint is ready to use as a fleece adhesive and should NOT be diluted as an adhesive.

Processing: LEINOS Silicate-Hybrid Paint is applied generously to all load-bearing substrates by rolling, brushing or spraying. One coat is sufficient! While the paint film is still wet (approx. 350-450 ml/m²), a glass fibre fleece (approx. 35 g/m² and 270 µm) is laid dry, free of creases and bubbles, with an overlap of approx. 5 cm and pressed down with a featheredge trowel. A wavy double seam cut creates an "almost invisible" seam area. The final coat is now applied immediately, wet on wet, with LEINOS Silicate-Hybrid Paint and can be thinned with water up to 5 % if necessary. Particularly advantageous: On filigree ceilings and prefabricated concrete walls, there is no need for time-consuming levelling work. Sprayability (non-binding guide values): Airless: Working pressure 120-140 bar, nozzle approx. 0.43 to 0.58 mm, spray angle approx. 40°, gun filter white 50 mesh, without HD filter.

Drying Time: At least 24 hours at 20 °C and 50 % relative humidity. Ensure good ventilation!

Consumption: 1 litre is sufficient for approx. 1.5 m², depending on the absorbency of the substrate. The exact consumption must be determined in advance on a sample surface.

Thinning and Cleaning Agents: Product is ready to use as a non-woven adhesive and can be thinned with 5% water in the final coat. 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 cannot be stored.

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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 / GISCODE: M-SK 01

Hazard statements: Safety data sheet available on request.

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