

Fondosil 1903

Sol silicate primer, preservative-free, solvent-free and plasticizer-free, well consolidating, for exterior and interior use



Field of application

For priming and consolidating mineral substrates, e.g. render (CS I, CS II, and CS III compressive strength categories), concrete, sand-lime brickwork and intact mineral coatings, preparation of downstream silicate coatings. Also suitable for use as thinning agent for silicate paints.

Properties

- Preservative-free, solvent-free and plasticizer-free
- low-emission
- Corresponds to requirements set out by "Ausschuss zur gesundheitlichen Bewertung von Bauprodukten" (AgBB, German Committee for Health-Related Evaluation of Building Products)
- With Sol-Xtreme - sol silicate bonding agent
- Water-dilutable
- For interior and exterior use
- Deeply penetrating
- Consolidating
- For mineral substrates
- With organic stabilizers

Material description

Color	colorless
Base material	Potassium water glass, sol silicate, and organic stabilizers
Density	Approx. 0.8–1.12 g/cm ³
Water-vapor-permeability	Diffusion-equivalent air layer thickness: (H ₂ O) approx. 0.1 m in accordance with DIN EN ISO 7783, corresponds to class V1 "high water vapor permeability" in accordance with DIN EN 1062-1
Reaction to fire	A2 – s1, d0 in accordance with DIN EN 13501-1 ("nichtbrennbar", non-combustible), according to classification report no. 230011570-3.
Packaging	5 l, 10 l

Use	
Mixing	Mix Fondosil 1903 with cold, clear water and, if necessary, silicate paint in the given mixture ratio in a clean container.
Mixing ratio	1:1 (Fondosil 1903 and water), for priming very porous surfaces or as thinning material for silicate paints. 1:1:1 (Fondosil 1903, water and silicate paint), for the priming of normal to weak absorbent surfaces.
Application	The mixture should be applied and worked in by brush.
Consumption	Approx. 100 ml/m ² (unthinned), approx. 200 ml/m ² per coat (mixture 1:1 with water). Determine the exact consumption by means of a test application on the object to be coated.
Application temperature	Do not apply if air or object temperature is below +8°C.
Tool cleaning	Clean tools immediately after use with water.

Drying (+20°C, 65% relative humidity)	
	Recoat and further system build-up after at least 12 hours. Allow longer drying times at a lower temperatures and/or higher air humidity.

Storage	
	Store in a cool and frost-free place. Reseal opened containers tightly and use material within a few days of opening.

Declaration	
Product-Code	BSW60 Comply with the specifications in the current Safety Data Sheet.

Coating build-up	
Substrate preparation	<ul style="list-style-type: none"> - The substrate must be solid, dry, clean, load-bearing and free from efflorescence, sinter layers, separating agents, corrosion-promoting components or other intermediate layers affecting the adhesion. - Check existing coatings for their suitability, load-bearing capacity and adhesive properties. - Thoroughly remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations. - Clean areas infested with fungus or algae thoroughly and then treat them with Universal Disinfectant 542*. (*Use biocide products with care. Always read the label and product information before use.) - Treat replastered areas with a fluorine primer; if the subsequent paint coat is to be tinted, prime the entire surface - Also see VOB Part C, DIN 18363, Section 3.
Priming	Prime mineral substrates, e.g. plaster (CSI, CSII, and CSIII compressive strength categories), concrete, sand-lime brickwork and intact mineral coatings with Fondosil 1903 in the specified mixing ratio.
Additional build-up	Depending on the demands or selection e.g. using Brillux Silicate interior and facade paints.

Notes

Substrate properties	Primer and coating build-up must be adapted to the corresponding substrate condition. We are unable to provide binding recommendations without very accurate data about these requirements.
Masking surfaces	Carefully mask the surroundings of coating surfaces, particularly glass, brick and natural stone.
Filling cracks and damaged areas	Fill any cracks and damaged areas, after priming with a mixture of silicate paint and quartz sand, level with the surface. Prime leveled places. Re-plaster larger damaged places and treat them with a fluorine primer after they are dry. If the following paint is tinted then prime the whole surface.
For facade coatings	Do not apply in direct sunlight, substrates that have been heated up, strong wind, rain, etc. If necessary, take protective measures.
Further information	Follow the instructions on the data sheets of the products used.

Remark

This data sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this data sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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