



TIKKURILA

KIVITEX POHJUSTE

SILICATE PRIMER

DESCRIPTION

Inorganic, potassium-silicate-based primer for facades before painting with silicate paint.

RECOMMENDED USES

Residential, commercial, industrial and storage buildings and others. Also suitable for special sites such as air-raid shelters, water towers, underpasses, etc.

PRODUCT FEATURES

For the interior and exterior priming of concrete, lime, lime cement, cement plaster and sand-lime brick surfaces. Also suitable for substrates previously painted with lime, lime cement, cement or silicate paint. See the directions for use.



The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

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TECHNICAL DATA

Coverage	The coverage of the mixture is 2–4 m ² /l for a single coat, when used as a 1:2 mixture with paint. The coverage of the mixture is 1–3 m ² /l for a single coat, when used as a separate 1:1 priming solution with water. Coverage is affected by the roughness and porosity of the surface as well as the application method and conditions.
Can sizes	3 l, 10 l
Mixing ratio	Prime solid, firm and hard surfaces, such as concrete, with one coat of a mixture comprising one part of Tikkurila Silikaattipohjuste and two parts of Kivitex silicate paint or Finngard Silikaattimaali. Prime porous, absorbent substrates, such as plaster and sand-lime brick surfaces and substrates previously painted with lime, lime cement, cement or silicate paints by using the “wet-on-wet” method with a 1:1 mixture of Tikkurila Silikaattipohjuste and water.
Application method	Brush, roller or spray (knapsack pressure sprayer).
Drying time	Recoat after 12 hours.
Density (kg/l)	Approx. 1.0 kg/l, ISO 2811
Weather resistance	Good, also in maritime or industrial climate.
Storage	Protect from frost.

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APPLICATION INSTRUCTIONS

Application conditions

The surface to be primed must be clean and solid, the temperature of the air and surface at least +5 °C and the relative humidity of the air below 80 %. To avoid color differences, do not prime in strong sunlight or in the rain.

Surface preparation

Unpainted surfaces:

New concrete surfaces must be sufficiently dry and hard before the surface treatment. Concrete element surfaces should not be primed earlier than after one heating period, depending on the structure. New plaster surfaces must be dry and hardened before painting. The drying and hardening time depends, among other things, on the consistency of the plaster used (such as the ratio of lime and cement), drying and hardening conditions and the thickness of the plaster layer.

Clean the unpainted surfaces of any dirt, dust and salt. If the formation of salt is very strong and continuous, the surfaces must not be treated before the cause of salt formation has been eliminated. Wash moldy, mossy and similar surfaces with Tikkurila Homeenpoisto according to the directions for use, working from the bottom up.

Concrete surfaces that have been cast with formwork must be treated mechanically (e.g. sand-blasted) to create an appropriate surface profile. Remove any glassy and glossy cement stone from the surface using sand-blasting, a grinding stone for grinding concrete or pressure cleaning with added sand.

Previously painted surfaces:

Clean the surfaces of any dirt, dust and salt. If the substrate forms salts, the surfaces must not be treated before the cause of salt formation has been eliminated. Wash moldy, mossy and similar surfaces with Tikkurila Homeenpoisto according to the directions for use, working from the bottom up. Previous paint or coatings with organic binding agents must be removed completely, for example with paint stripper and pressure washing with hot water or sand-blasting. Remove any flaking, poorly adhering or powdery coats of lime, lime cement, cement or silicate paint from previously painted surfaces. Choose the removal method according to the strength of the substrate and type of paint to be removed (e.g. wire brush, pressure washing with hot water or wet sand-blasting). Also remove any poorly adhered, fragile areas of plaster or concrete. In concrete structures, open any cracks over the reinforcement steel bars by chiseling or with an edge grinder, etc. Clean the bars of rust and continue treatment with Finnseco repair mortars.

Surfaces that are not meant to be primed, such as glass panes, natural stone and clinker-tiled facades and metal surfaces must be covered for the duration of priming. Wash any spatter immediately off with clean water.

Priming

Apply the mixture on the surface with a brush, paint roller or spray gun. The primed surface must be painted. The surface must be allowed to dry for at least one day before painting.

Cleaning of tools

Clean tools with water. Tikkurila Pensselipesu Tool Cleaner is recommended to remove slightly hardened paint.

Environmental protection and waste disposal

Destroy liquid waste according to the local regulations for hazardous waste. Recycle empty, dry cans or dispose them of in accordance with local regulations.

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Health and Safety

Contains: potassium silicate. **Danger.** Causes serious eye damage. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid breathing mist/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye or face protection. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.



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