



TIKKURILA

SILIKONIPOHJUSTE

SILICONE PRIMER / FOR EXTERIOR MASONRY SURFACES

DESCRIPTION

Water-borne, silicone-based primer (concentrate).

RECOMMENDED USES

Residential, commercial, industrial, storage and other buildings.

PRODUCT FEATURES

For priming porous, water-absorbing unpainted surfaces or previously painted aggregate surfaces before painting with Kivisil façade paint, Finngard Silikonihartsimaali or other paints suitable for organic aggregate surfaces, such as Yki.



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TECHNICAL DATA	
Coverage	Mixture coverage: 0.5–2 m ² /l on rendered surfaces, 2–4 m ² /l on concrete. Amount of silicone primer (undiluted) needed: 0.05–0.1 l/m ² for rendered surfaces, 0.025–0.05 l/m ² for concrete surfaces. The coverage is affected by the roughness and porosity of the substrate and the absorption qualities of any previous treatments applied to the surface to be primed.
Mixing ratio	Prepare the solution by mixing Silikonipohjuste with water to a ratio of 1:9 or 1:19, depending on the intended purpose. For improving the water-repellency of hard substrates, use a mixing ratio of 1:19 (1 part of Silikonipohjuste to 19 parts of water). If Silikonipohjuste is used with a mixing ratio of 1:9, the mixture will also strengthen the plaster substrate. The prepared mixture has to be used within 24 hours.
Application method	Brush, spray with a knapsack pressure sprayer or apply with a brush.
Drying time (23°C and 50% relative air humidity)	2 to 5 hours. The primed surface can be painted on the following day at the earliest.
Density (kg/l)	Approximately 1 kg/l, ISO 2811
Weather resistance	Good. Prevents capillary penetration of rain and splashes into the construction. Allows water to come through from inside as a vapour. Diminishes salts from getting onto the construction surface, preventing paint damage caused by salts.
Volume solids (%)	100
Storage	Protect from frost. Store the concentrate in tightly closed cans. Storing temperature should not exceed +30 °C. The-ready-to use mixture can be stored for a maximum of 24 hours.

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APPLICATION INSTRUCTIONS

Application conditions

The surface to be treated must be clean, the ambient temperature at least +5 °C and the relative humidity of air below 80%. Do not apply the product to a wet or non-absorbent surface.

Surface preparation

Unpainted surfaces:

A new concrete or plaster surface must be dry and hardened before treatment. Clean the 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. Concrete surfaces that have been cast with formwork must be treated mechanically (e.g. sand-blasted) to create an appropriate surface profile. You can remove any glassy and glossy cement stone from the surface using sand-blasting, a mechanical wire brush or pressure cleaning with added sand.

Previously painted surface:

Remove any flaking, poorly adhering or powdery paint coats 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 adhering, fragile plaster or concrete. Open any cracks by chiseling or angle grinding, for example. Remove any rust from the reinforcing bars and apply protective paint. Patch any open cracks and other damage flush with the surface. For concrete surfaces, use Finnseco repair mortar and lime cement mortar for rendered surfaces. If the substrate forms salts, the surfaces must not be treated before the cause of salt formation has been eliminated.

Priming

Apply the diluted solution together with water by the "wet on wet" method. The primed surface must be painted. The surface must be allowed to dry for at least one day before painting. 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.

Apply plenty of mixture thinned by water by using the wet-in-wet method.

Paint the primed surface. The surface may be painted one day after priming at the earliest.

Remove possible splashes immediately from window surfaces.

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.