



TIKKURILA

FINNGARD SILIKONIHARTSIPINNOITE 1,5

DESCRIPTION

Water-borne, alkali-resistant, water-repellent silicone resin coating. Maximum grain size approx. 1.5 mm.

RECOMMENDED USES

Residential, commercial, industrial and storage buildings and others.

PRODUCT FEATURES

Suitable for plain concrete substrates and rendered surfaces of concrete, masonry and mineral-based building boards.



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

Base paints	FTA BASE, FTC BASE
Colour Shades	Tikkurila Facade 760 colour map. Tinted with Avatint tinting pastes.
Gloss	Full matt. (6/RT classification)
Coverage	Applied with a spatula: 2.5–3 kg/m ² . Sprayed: 1.5–3.5 kg/m ² . Coverage is affected by the roughness and porosity of the surface, the desired appearance and the working conditions.
Can sizes	FTA BASE: 25 kg FTC BASE: 25 kg
Thinner	Water
Application method	Spraying with plaster pump (min. nozzle size 5 mm) or hopper gun or spreading with trowel. After trowel application of the coating, finish with a Tikkurila plastic float.
Drying time (23°C and 50% relative air humidity)	Touch-dry the following day.
Density (kg/l)	approx. 1.8–1.9 kg/l, ISO 2811.
Water vapour resistance (EN ISO 7783)	$s_{D,H_2O} < 0,2 \text{ m}$
Water permeability (EN 1062-3)	$w_{24} < 0,15 \text{ kgm}^{-2}\text{h}^{-0,5}$
Adhesive strength (EN 1542)	$> 0,8 \text{ N/mm}^2$ (on concrete).
Weather resistance	Good also in marine and industrial environment. Prevents rain and splash water penetration into the structure. Allows water to come through from inside as a vapour.
VOC	(cat A/c) max. 40g/l (2010). Finngard Silicone Resin Coating contains VOC max. 40g/l.

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Storage

Must be protected from frost. The product or container temperature must not exceed + 35°C. Not to be stored in direct sunlight even covered. Tinted or poorly sealed coating or coating stored in half empty container, does not withstand long-term storage.

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APPLICATION INSTRUCTIONS

Application conditions

The surface to be treated must be dry, the ambient temperature at least +5 °C and the relative humidity of air below 80%. Do not treat under strong sunlight.

Surface preparation

Unpainted surfaces:

The surface must be sufficiently dried and hardened before the treatment. It is recommended that you treat concrete element surfaces at the earliest after one heating period, according to 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 a surface has mold, moss etc., wash it with Tikkurila Homeenpoisto (Mold Removal) according to instructions, working from the bottom to the top. Concrete surfaces that have been cast with formwork must be treated mechanically (e.g. sand-blasted) to create an appropriate surface profile. Any glassy and glossy cement stone can be removed from the concrete surface using sand-blasting, a grinding stone for grinding concrete or pressure cleaning with added sand. Sand-blasted or uneven concrete substrates (e.g. timber-cast surfaces) must be leveled with Finnseco Polytop mortar or Finnseco Leveling Render.

Previously painted surface:

Surfaces are cleaned by removing any dirt, dust or salt. If a surface has mold, moss etc., wash it with Tikkurila Homeenpoisto (Mold Removal) according to instructions, working from the bottom to the top. Remove any flaking, poorly adhering or powdery paint coats from previously painted surfaces. Choose the removal method according to 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 at least to class St 2 and continue treatment with Finnseco repair mortars. Sand-blasted concrete surfaces with a lot of porous and uneven concrete substrates are recommended to be leveled with Finnseco Polytop mortar or Finnseco Leveling Render.

When handling a surface containing asbestos, the Government Decision on Asbestos Work (1380/1994) and the related Decrees 318/2006 and 863/2010 must be followed.

Priming

Unpainted plaster surface: Prime surfaces with a mixture of Finngard/Tikkurila Priming Gel and Finngard Silicone Resin Paint (mixing ratio 2 l of Priming Gel into 20 l of Finngard Silicone Resin Paint). Stir the mixture of Primer Gel and Finngard Silicone Resin Paint thoroughly before use (approx. 5 minutes mechanically). If necessary, thin the mixture with water by a maximum of 5% (rinse the Primer Gel container with the water used for thinning). Use the mixture within 24 hours of mixing. Previously painted plaster surface: Prepare the surface with water-borne Tikkurila Silicone Primer according to the instructions on the product data sheet. If required, prime with a mixture of Finngard/Tikkurila Priming Gel and Finngard Silicone Resin Paint. Unpainted concrete surface: Prime the substrate with Finngard 150 or Finngard Silicone Resin Paint according to the instructions on the product data sheet. Previously painted concrete surface: Prepare the surface with water-borne Tikkurila Silicone Primer or Tikkurila Hydrosol Primer according to the instructions on the product data sheet. If required, prime with Finngard 150.

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Top coating

The coating is spread with a steel trowel or cellular rubber spatula or by plaster spray gun. Depending on the absorbent capacity of the substrate and the working conditions, the surface can be troweled with a Tikkurila plastic float approx. 5–15 minutes.

Note!

Finngard Silicone Resin Coating is stirred comprehensively before use. For achieving a uniform surface and avoiding color differences, reserve enough paint from the same production batch. If it is necessary to use different production batches, paint the area between the old and new batch with a 1:1 mix of the old and new paint. Arrange the work so that the transition between areas coated at different times and using different cans is as inconspicuous as possible.

Wipe any spatter immediately from windows, or protect the windows before starting work.

Cleaning of tools

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

Maintenance instructions

Dirty surfaces can be carefully washed with a pressure washer without any detergent no earlier than one month after painting. The washing may leave permanent marks on the surface, so the area to be washed should be designed inconspicuously following the lines of the structure. Clean dry, loose dirt lightly with a soft brush, without rubbing the surface.

Remove alga or mold with Tikkurila Homeenpoisto (Mold Removal) and rinse thoroughly. NB. Surfaces must always be retreated after mold removal.

Maintenance treatment

For maintenance painting of Finngard Silicone Resin Coating, use Finngard Silicone Resin Paint or sprayed Finngard Silicone Resin Coating. See Pretreatment, Priming and Coating.

Environmental protection and waste disposal

Avoid spillage into drains, water systems and soil. Destroy liquid waste according to the local regulations for hazardous waste. Recycle empty, dry cans or dispose them of in accordance with local regulations.

Health and Safety

Harmful to aquatic life with long lasting effects. Contains 1,2-benzisothiazol-3(2H)-one (BIT), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)) and 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT). May produce an allergic reaction. Avoid release to the environment. Wear protective gloves. This product contains a biocidal product for the preservation of the product during storage. Contains: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)).

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EN 15824:2009

CE	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 Vantaa	
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TIK-0674-5001	
EN 15824:2009	
External render based on organic binders.	
Reaction to fire	A2-s1,d0
Adhesion strength by pull off test	≥ 0,3 MPa
Release of dangerous substances	NPD
Water permeability	W ₂
Permeability to water vapour	V ₂

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