



TIKKURILA

FINNGARD SILIKONIHARTSIMAALI

SILICONE RESIN PAINT

DESCRIPTION

Water-borne, silicone resin paint.

RECOMMENDED USES

Residential, commercial, industrial and storage buildings and others.

PRODUCT FEATURES

For painting exterior concrete surfaces and solid plaster 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.

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TECHNICAL DATA

Base paints	FLA BASE, FLC BASE
Colour Shades	Color cards: Masonry facades 2018 colour card, Masonry Facades colour card, Facade 760 colour collection. Tinted with Avatint Facade tinting pastes.
Gloss	Full matt. (6/RT classification)
Coverage	4-6 m ² /l one coat. Coverage is affected by the roughness and porosity of the surface as well as the application method and conditions.
Can sizes	FLA BASE: 9 l, 18 l FLC BASE: 18 l
Thinner	Water
Application method	Roller, brush, spray
Drying time	Recoatable after 12 hours.
Density (kg/l)	approx. 1.4-1.6 kg/l, ISO 2811
Water vapour resistance (EN ISO 7783)	$s_{d,H_2O} < 0,14 \text{ m}$
Water permeability (EN 1062-3)	$w < 0,1 \text{ kgm}^{-2}\text{h}^{-0,5}$
Permeability to CO₂ (EN 1062-6)	$s_{d,CO_2} < 5 \text{ m}$
Adhesive strength (EN 1542)	$> 1,0 \text{ N/mm}^2$ 28 days on concrete
Weather resistance	Good, also in maritime or industrial climate. Prevents penetration of rain and splashes into the construction. Allows water to come through from inside as a vapour.
Volume solids (%)	40

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VOC

(cat A/c) 40g/l (2010)

Finngard Silicone Resin Coating contains VOC max. 40g/l.

Storage

Protect from frost. The temperature of the product or container may not exceed +35°C. Do not store in direct sunlight, even under a protective tarpaulin. Tinted product, or a product kept in an improperly closed or half-empty can will not withstand long-term storage.

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APPLICATION INSTRUCTIONS

Application conditions

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

Surface preparation

Unpainted surfaces:

New concrete and plaster surfaces must be sufficiently dried and hardened before the surface treatment. Among other things, the trying and hardening times depend on the composition of the rendering surface (e.g. lime-concrete ratio), on environmental conditions and on the thickness of the layer.

Clean the unpainted surfaces of any dirt, dust and salt. Surfaces with mold, moss etc. are cleaned with Tikkurila Homeenpoisto in accordance with the instructions. Smooth, glassy concrete surfaces must always be treated mechanically to create an appropriate surface profile and remove any laitance. Concrete surfaces with a lot of pores are recommended to be leveled with Finnseco Polytop mortar or Finnseco Leveling Render.

Previously painted surface:

Surfaces are cleaned by removing any dirt, dust or salt. Surfaces with mold, moss etc. are cleaned with Tikkurila Homeenpoisto in accordance with the instructions. Remove any flaking, chalky and poorly adhering paint coats. 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).

Perform the required repairs, patching and leveling with Finnseco products according to their instructions.

Make necessary plastering repairs with suitable plasters to the level and structure of the surrounding surface.

Priming

The need for priming is always determined case by case. It is recommended that porous and very absorbent substrates be primed using a mixture made of Tikkurila Silicone Primer and water (mixing ratio 1:9). The treatment also strengthens the substrate. It is recommended that solid substrates be primed using a mixture made of Tikkurila Silicone Primer and water (mixing ratio 1:19). Priming provides the best water-repellency properties and protection, e.g. against the corrosion of concrete reinforcing bars. More information in the product data sheet of Tikkurila Silicone Primer.

Painting

a) Priming and painting

The surface to be treated is primed with Tikkurila Silicone Primer; see Priming.

Apply two coats of Finngard Silicone Resin Paint. The drying time between the two coats of paint should be at least 12 hours. Finngard Silicone Resin Paint can be thinned with water max. 5-10% for the first coat.

b) Priming and painting

The surfaces are primed with a mixture of Tikkurila Primer Gel and Finngard Silicone Resin Paint. The mixing ratio is two 1-liter cans of Primer Gel into one 20-liter can 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 max. 5% (rinse the Primer

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Gel container with the water used for thinning). Use the mixture within 24 hours of mixing.

The finishing painting is done once, no earlier than 12 hours after the priming, using unthinned Finngard Silicone Resin Paint.

c) Painting

The painting is done twice using Finngard Silicone Resin Paint. The drying time between the two coats of paint should be at least 12 hours. If required, Finngard Silicone Resin Paint can be thinned with water (max. 5-10%) for the first coat.

NOTE

Finngard Silicone Resin Paint is stirred comprehensively before use. Reserve enough paint from the same production batch for uniform color surface. Should you need 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 the paint batches is as inconspicuous as possible.

When treating a substrate containing asbestos, follow the Government Decision on Asbestos Work (1380/1994) and the related Decrees 318/2006 and 863/2010.

Surfaces intended to be left unpainted must be protected for the duration of the work.

Mechanical stresses can cause lighter marks, in particular with dark painted surfaces. This is a typical product feature for all matte façade paints, which however has no influence on the product's technical functionality.

Note

Finngard Silicone Resin Paint should be mixed carefully before use. For an even surface, a sufficient amount of paint from the same manufacturing batch is required to avoid possible differences in shade. The border between the old and new paint batch is painted with a mixture of one part of the old batch and one part of the new batch. The work should be arranged so that the border is in a place where it is hard to notice.

In the treatment of the substrate that contains asbestos, refer to the national guidelines or local regulations. (In Finland: Council of State statute 975/2004.)

Protect the surfaces not to be treated.

Mechanic strain can cause lighter visible spots, in particular, in darker painted surfaces. This is a typical feature for all matt facade paints which does not, however, affect the product's technical performance.

Cleaning of tools

Clean tools with water.

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. It is recommended to remove any loose dirt dry with a soft brush, avoiding abrasion.

For removing algae and mold, use Tikkurila Homeenpoisto and rinse thoroughly according to instructions. NB. Surfaces must always be retreated after mold removal.

Maintenance treatment

Finngard Silicone Resin Paint or Kivisil Façade Paint are suitable for maintenance treatment of surfaces painted with Finngard Silicone Resin Paint.

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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.

Health and Safety

Contains: 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT). **Warning.** May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. Avoid breathing mist/spray. Avoid release to the environment. Wear protective gloves. **IF ON SKIN:** Wash with plenty of soap and water. Immediately call a POISON CENTER or physician. Contains small amounts of sensitizing substances: 1,2-benzisothiazol-3(2H)-one (BIT) and 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)). This product contains a biocidal product for the preservation of the product during storage. Contains C(M)IT/MIT (3:1).



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