



TIKKURILA
FINNGARD 150
PROTECTIVE PAINT



- DESCRIPTION** Water-borne, alkali-resistant acrylic paint that protects concrete against humidity and carbonation. SILKO approved (3.253).
- RECOMMENDED USES** Residential, commercial, industrial and storage buildings, parking garages, etc.
- PRODUCT FEATURES** Suitable for painting concrete structures, wallboards and surfaces rendered with a cement mortar.



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	FA BASE, FC BASE
Colour Shades	Tikkurila Facade 760 colour map. Tinted with Avatint tinting pastes.
Gloss	Full matt. 6/RT classification)
Coverage	Approx. 4–6 m ² /l, one coat. Coverage is affected by the roughness and porosity of the surface as well as the painting method and conditions.
Can sizes	FA BASE: 2.7 l, 18 l FC BASE: 2.7 l, 18 l
Thinner	Water
Application method	Roller, brush or spray. Airless spraying: – min. nozzle size 0.027" (0.68 mm) – thinning 0–10% by volume, if necessary
Drying time (23°C and 50% relative air humidity)	Recoat after 12 hours.
Density (kg/l)	Approx. 1.4–1.6 kg/l, ISO 2811.
Water vapour resistance (EN ISO 7783)	sD ≤ 0.5 m
Water permeability (EN 1062-3)	w < 0,1 kg/m ² • h ^{0,5}
Permeability to CO₂ (EN 1062-6)	sD, CO ₂ > 200 m
Adhesive strength (EN 1542)	> 2.0 N/mm ²
Weather resistance	Good, also in maritime and industrial atmosphere.
Fire class	F (NPD)
Volume solids (%)	45

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VOC

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

Finngard 150 protective paint 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. Protect from frost



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APPLICATION INSTRUCTIONS

Application conditions

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

Surface preparation

Unpainted surfaces:

The substrate has to be sufficiently dry and hard before treatment. Among other things, the drying and curing time is affected by working conditions and the thickness of the plaster 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 and poorly adhering paint coats. Select the removal method according to the strength of the substrate and paint type to be removed (e.g. wire brushing, pressure washing with hot water or wet sand-blasting).

Carry out the necessary concrete repair, patching and filling using the Finnseco products as instructed.

Priming

The need for priming is determined case by case. It is recommended to prime chalking surfaces with Tikkurila Hydrosol Primer. The water-repellency of the substrate can be improved with Tikkurila Silicone Primer. Follow the instructions of the product in question when priming.

Painting

Apply two coats of the product. If needed, the paint can be thinned for priming up to 5% with water. For finishing, use unthinned paint.

NOTE

Stir Finngard 150 thoroughly before use. Reserve enough paint from the same production batch for a uniform 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 such that the transition between the paint batches is as inconspicuous as possible. Uniform surfaces are painted without interruption.

Follow the recommended coverage values to ensure that the paint provides sufficient protection.

When handling a surface containing asbestos, the applicable act 684/2015 and Government Decree 798/2015 on asbestos work must be followed.

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 of all matte facade paints which does not affect the technical functionality of the product.

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Note

Follow the recommended coverage values to ensure maximum protective effect.

Applicable national health and safety precautions must be followed in the pre-treatment and coating of substrates containing asbestos.

Protect the surfaces not to be painted.

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. 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 the surface treatment. 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

Surfaces painted with Finngard 150 can be maintenance treated with Finngard 150, Finngard 500, Finngard Silikonihartsimaali, Finngard HybriSil, Finngard 1,5 H, Finngard 3,0 H and Finngard Silikonihartsipinnoite.

Environmental 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 LABELLING according to Regulation (EC) No. 1272/2008

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 2-octyl-2H-isothiazol-3-one (OIT). 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)).

FINNGARD 150

EN 1504-2:2004

	
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Tikkurila Oyj Kuninkaalantie 1 FI-01300 Vantaa	
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TIK-0573-5001	
EN 1504-2:2004	
Product for protection and repair of concrete structures – Coating.	
Permeability to CO ₂	$s_D > 50 \text{ m}$
Reaction to fire	F (NPD)
Adhesion strength by pull off test	$\geq 1,0 \text{ N/mm}^2$
Release of dangerous substances	NPD
Water permeability	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Permeability to water vapour	class I, $s_D < 5 \text{ m}$

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