



TIKKURILA

# FINNGARD ACRYL BETON

PROTECTIVE PAINT

## DESCRIPTION

Water-borne, alkali-resistant acrylic paint that protects concrete against humidity and carbonation.

Suitable for painting concrete structures, wallboards and surfaces rendered with a cement mortar.

## RECOMMENDED USES

## PRODUCT FEATURES

- It inhibits the process of carbonation (corrosion of concrete) due to high tightness for CO<sub>2</sub> and low water absorption.
- Creates a coating with high chemical and weather resistance, it can be used in an industrial, seaside environment (increased humidity, frequent rainfall, strong wind, sharp sun)
- Vapor permeable - allows moisture to be drained from the wall.

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
Gloss	Full matt.
Coverage	Approx. 3–6 m <sup>2</sup> /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, 9 l FC BASE: 2.7 l, 9 l
Application method	Brush, roller or spray. High pressure application: min. nozzle size 0.027" ( 0.68 mm), can be thinned 5 % 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 <sup>2</sup> • h <sub>0,5</sub>
Permeability to CO <sub>2</sub> (EN 1062-6)	SD > 200 m
Adhesive strength (EN 1542)	> 2.0 N/mm <sup>2</sup>
Weather resistance	Good, also in maritime and industrial atmosphere.
Fire class	F (NPD)
Volume solids (%)	45
VOC	Angle. A / c. Permissible VOC content from 2010 - 40g / l. The product contains less than 40 g / l VOC.

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### Storage

Protect from frost. Store and transport in tightly closed containers at temperatures between +5°C and +25°C. The product should be transported and stored in containers protecting against weather in temperature between +5°C to +25°C.

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## APPLICATION INSTRUCTIONS

### Application conditions

Work with air and substrate temperature not lower than + 5 ° C and not higher than + 25 ° C. Avoid direct sunlight, relative humidity of > 80%, rain and frost. Protect the paint coating from rain min. for 48 hours - in optimal temperature-humidity conditions (temperature + 20 ° C, relative humidity below 55%). This compartment in the conditions of increased air humidity and lower air and substrate temperatures may be longer.

### Surface preparation

New untreated surfaces:

Surfaces of new cement-lime plasters, cement and concrete plasters should be min. 4 weeks. Remove loose substrates, dirt, greasy stains and salt efflorescence. Remove algae, lichens and fungi using Biowash Cleaner or Tikkurila Homeenpoistotabletti according to the instructions for their use. Wash the facade with high pressure water. Irregularities and cracks should be leveled with mortar close to the original composition. The substrate should be primed with Tikkurila Finngard Uni Primer.

Previously painted surfaces:

Remove loose and loose parts of the substrate, peeling paint coatings, dirt, greasy stains and salt efflorescence. Wash the façade with high pressure water. Permanently remove algae, lichens and fungi using Biowash Cleaner or Tikkurila Homeenpoistotabletti according to the instructions for their use. Remove removed media (eg by abrasive blasting). Irregularities and cracks should be leveled with mortar close to the original composition. The substrate should be primed with Tikkurila Finngard Uni Primer. When renovating old coatings, a trial painting should be made to assess the adhesion of the new paint to the painted substrate (eg using the cut-to-size mesh method) and to assess the appearance and color of the coating. A positive result determines the use of the product.

### Priming

Use the set: primer and facade paint by Tikkurila.

### Note

Do not apply to horizontal surfaces exposed to direct contact with weather conditions: rain, snow. The manufacturer is not responsible for the poor quality of paintwork in the event of non-compliance.

The use of ANZA painting tools is recommended.

### Cleaning of tools

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

### Environmental and waste disposal

Do not pour liquid waste into drains. Empty cans should be recycled or disposed of in accordance with local regulations. Empty cans as well as cans with liquid waste should be taken to a disposal according to the local regulations. For more information please contact local authority.


### 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-methyl-2H-isothiazol-3-one (MIT). 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 1, 2-benzisothiazol-3(2H)-one (BIT) , 2-methyl-2H-isothiazol-3-one (MIT) 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)).

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EN 1504-2:2004

	
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Tikkurila Oyj Kuninkaalantie 1 FI-01300 Vantaa	
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TIK-A016-2018	
EN 1504-2:2004	
Product for protection and repair of concrete structures – Coating.	
Permeability to CO2	SD > 50 m

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