
TIKKURILA

# FINNGARD ACRYL BETON

ACRYLIC 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 CO2 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.

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## TECHNICAL DATA

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| **Base paints** | FA BASE, FC BASE |
| **Gloss** | Full matt. |
| **Coverage** | Approx. 3–6 m²/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: 9 l<br>FC BASE: 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** | Recoatable 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/m² • h0,5 |
| **Permeability to CO2 (EN 1062-6)** | SD > 200 m |
| **Adhesive strength (EN 1542)** | > 2.0 N/mm² |
| **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. |
| **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 10% thinned paint or 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 10% thinned paint or 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

10% thinned paint or Tikkurila Finngard Uni Primer

### 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 protection 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

**Contains:** 1,2-benzisothiazol-3(2H)-one (BIT), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M)IT/MIT (3:1)), 2-octyl-2H-isothiazol-3-one (OIT), 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT). **Warning.** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid breathing mist/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. This product contains a biocidal product for the preservation of the product during storage. Contains
1,2-benzisothiazol-3(2H)-one (BIT) and reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2Hisothiazol-3-one (3:1) (C(M)IT/MIT (3:1)). This surface treatment agent contains a biocidal product for the

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preservation of the dry film. Contains 3-iodo-2-propynyl butylcarbamate (IPBC), 2-octyl-2H-isothiazol-3-one (OIT) and 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT).

GHS07

# FINNGARD ACRYL BETON

**EN 1504-2:2004**

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| 0809 |
| Tikkurila Oyj<br>Kuninkaalantie 1<br>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 $s_D$ > 50 m |