



# Finngard Concrete - Waterborne lightweight acrylic masonry paint

Description

Acrylic paint for facades

Product features

Waterborne, matt acrylic masonry paint for use on new and previously painted surfaces where a matt decorative finish is required. Finngard concrete is highly moisture.

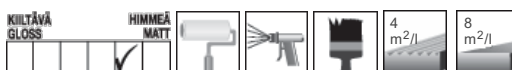
- Advantages and characteristics:
- Very good durability to harmful atmospheric conditions
- Very good hiding power
- Very durable coating
- Very good vapor permeability
- Good colour durability



Recommended uses

Traditional plasters lime-cement and cement, mineral plasters thin-film polymer, acrylic, fiber-cement boards and concrete. Renovation of mineral (silicate) and dispersion coatings. Tikkurila Concrete Finngard is not recommended for surfaces previously coated with elastomer coatings. The product is suitable for use inside the building to the premises not intended for human residence (eg. garages, basements, warehouses, etc).

## TECHNICAL DATA



Base paints

A and C

Colour Range

The colours from the Tikkurila "Facade" colour card and selected colours from the NCS and RAL. It is recommended to perform the appropriate colour sample on the area. 1-2 m<sup>2</sup>. When choosing colours for facades, especially those exposed to intense sunlight, which can significantly heat up the surface recommend the use of colour with a higher reflectance. We recommend the use of colour whose reflectivity is greater than 20%. Light reflectance values are given in the Tikkurila "Facade" colour card

Gloss grade

Matt

Coverage

4-8 m<sup>2</sup>/l per one coat, depending on the absorbency and structure of the substrate, application method and painting tool used. Attempt to determine the performance for a given substrate. Make test painting in order to determine the coverage of the substrate.

Can sizes

0,9 l; 2,7 l; 9 l

Application method

Roller, spray or brush.

When using airless spray use nozzle with parameters 0,015"-0,018".

Drying time at 23°C and 50% relative air humidity

In temp. +23 ±2°C, and relative air humidity 50 ±5%, the surface is dry after up to 2 hours. Apply next coat after min. 8 hours. The drying times and recoating depends on film thickness, temperature, relative humidity during painting.

Technical data

Physical properties acc. to norm PN-EN 1062-1 (2005):

Technical parameter	Designation according to norm	Result
Mirror gloss G	PN-EN ISO 2813:2001P	G3 matt
Coat thickness E µm	PN-EN 1062-1:2005P	E2 50<E2=<100
Category grain size S µm	PN-EN ISO 1524:2013:06E	S1 small
Transfer coefficient of steam /	PN-EN ISO 7783-	



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vapor permeability V g/(m <sup>2</sup> xd)	2:2001P	V2 medium
Water permeability / water absorption W kg/(m <sup>2</sup> xh <sup>0.5</sup> )	PN-EN 1062-3:2008P	W3 small
Carbon dioxide permeability C g/(m <sup>2</sup> xd)	PN-EN 1062-6:2003P	C <sub>0</sub>

Others technical data:

Technical parameter	Designation according to norm	Result
The peel adhesion, rigid systems without the motion load	PN-EN 1542:2000	≥1,0 (0,7) <sup>b</sup>

The results of the study are average values. Natural raw materials used may have a slight impact on the actual values in the table. The quality and characteristics of the product are retained.

Solids volume	Designation according to norm PN-EN ISO 3251:2008P: Approx. 40%
Density	Designation according to norm PN-EN ISO 2811-1:2012P: Base A – approx. 1.35kg/l Base C – approx. 1.27kg/l

### APPLICATION DETAILS

Application conditions	Work at air and substrate temp. not lower than +5°C and not higher than +25°C. Avoid direct sunlight, relative humidity > 80%, rain and frost. Protect the paint coating from rain for min. 48 hours - the optimum temperature and humidity conditions (temperature +20°C, relative humidity below 55%). This interval under conditions of elevated humidity and lower temperatures of air and ground may be extended.
Preparation	The substrate must be carrying, dry and clean. Humidity of painted substrates should not exceed 4%. Products can be applied min. 16 hours after priming with Tikkurila Finngard Nanoprimer. The product is suitable for use in commercial form, and before use requires careful mixing. Apply two coats in min. 8 hours intervals. In order to avoid streaking and discoloration apply the paint in continuously way. Technological breaks schedule at the edges of the walls. Provide adequate amount of paint from one production batch. The paint from different batches should be mixed before use. Do not apply on lime coatings and distemper paint.
Diluting	If necessary, thin the paint Tikkurila Finngard Concrete for painting of the first coat with water up to max. 20%.
Painting	<p>Previously not painted:</p> <p>The surfaces of new cement-lime, cement and concrete seasoned min. 4 weeks. Remove loose parts of the ground, dirt, greasy stains and salt efflorescence. Remove algae, lichens and fungi. Wash the facade with water at high pressure. Unevenness and cracks equalize with mortar with composition similar to the original. Prime the surface with Tikkurila Finngard Nanoprimer, Tikkurila Finngard Primer W (recommended as a product that can restrict the appearance of salt efflorescence on the surface topcoat).</p> <p>Surfaces previously painted:</p> <p>Remove loose and loose material substrate, peeling paint, dirt, greasy stains and salt efflorescence. Wash the facade with water at high pressure. Permanently remove algae, lichens and fungi. Remove the chalky substrate (eg. by blasting). Unevenness and cracks equalize with mortar with composition similar to the original. Prime the surface with Tikkurila Finngard Nanoprimer. Before the renovation of old coatings should be performed test application that will assess the adhesion of the new paint to the painted surface, eg. by cross-cut and allow for evaluation of the appearance and color of the coating. A positive result determines the use of the product.</p>
Cleaning of tools	Before washing tools should be thoroughly wiped in order to remove as much paint. Clean tools with water immediately after the completion of the work.
EU VOC 2004/42/EC-limit value	Cat. A/c. Admissible content of VOC since 2010 – 40 g/l. The product includes less



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than 40 g/l of VOC.

## HEALTH AND SAFETY LABELLING according to Regulation (EC) No. 1272/2008

Harmful to aquatic life with long lasting effects. Contains 2-methyl-2H-isothiazol-3-one, 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), 1,2-benzisothiazol-3(2H)-one and 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction. Avoid release to the environment. This paint contains a biocidal product for the preservation of the dry film. Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one and 3-iodo-2-propynyl butylcarbamate. 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), 1,2-benzisothiazol-3(2H)-one and 2-methyl-2H-isothiazol-3-one. Keep away from children. Material Safety Data Sheets available on customer request.

FINNGARD CONCRETE

## ENVIRONMENTAL and WASTE DISPOSAL

Empty containers and packaging containing residues of paints pass to the point for the collection of this waste. Detailed information on the possibility of collecting waste from your local Municipal Office.

## TRANSPORT

Transport and storage in temp. of +5°C to +25°C, in packaging protected from influences of atmospheric conditions. Protect paint from frost.

## FURTHER INFORMATION

Shelf life: 36 months from production date, in factory closed packaging.

## NOTICE:

The condition of the durability of the painted coating is to perform in accordance with the construction art such elements as min. horizontal and vertical insulation of the building, metal treatment, gutters and others.

In this technical data sheet, it is impossible to describe all aspects of the use of the product. In cases that are not described above, please contact the Technology Advisor. We will gladly provide you with detailed information related to a particular object.