

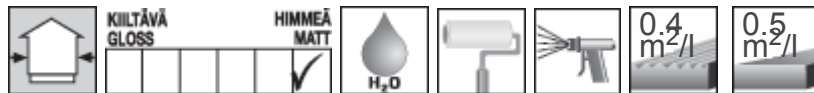


# Finngard 500

Description	Water-borne, alkali-resistant, hydrophobic, acrylate coating protecting the concrete against humidity and carbonation. Maximum grain size approx. 0.5 mm.
Product features	For coating concrete structures, mineral-based building boards, and rendered concrete surfaces.
Recommended uses	Residential, business and industrial buildings, warehouses etc.



## TECHNICAL DATA



Base paints	FFA and FFC
Colour Range	Tikkurila Façade colour card
Gloss grade	Full-matt
Coverage	0.4-0.5 kg/m <sup>2</sup> on one coat. Coverage depends on the roughness and porosity of the surface to be coated as well as painting method and conditions.
Can sizes	18 l
Thinner	Water
Application method	Roller, brush or spray with elevated tank or high pressure application (min. nozzle size 0.043" or 1.09 mm, spray angle 60°).
Drying time at 23°C and 50% relative air humidity	Recoat after 12 hours.
Water vapour resistance (EN ISO 7783-2)	sD ≤ 0,5 m
Water permeability (EN 1062-3)	w < 0.1 kg/m <sup>2</sup> · h <sup>0,5</sup>
Adhesive strength (ISO 4624)	> 1.5 N/mm <sup>2</sup> .
Permeability to CO <sub>2</sub> (EN 1062-6)	s <sub>D</sub> > 200 m
Weather resistance	



## Finngard 500

Good, also in maritime and industrial climate. Prevents the penetration of rain and splashes into the construction. Allows water to come through from inside as a vapour

Solids volume	Approx. 50 %.
Density	Approx. 1.4 kg/l, ISO 2811
Storage	Protect from frost. The temperature of the product or the container may not exceed +35°C. May not be stored in the sunshine, not even under tarpaulin. Tinted or paint in poorly sealed or partly filled can does not stand long-term storage.

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### APPLICATION DETAILS

Application conditions	The surface to be treated has to be dry, the temperature of the air at least +5 °C, and the relative humidity of the air below 80 %. Do not paint under strong sunlight.
Preparation	<p>New untreated surfaces</p> <p>The substrate has to be sufficiently dried and hardened before treatment. For example painting conditions and thickness of the plaster layer affect the drying and hardening time.</p> <p>Clean the surfaces from dirt, dust and salts. Wash mouldy, mossy etc. surfaces using Tikkurila Mould Removal according to instructions. Very porous concrete surfaces are recommended to be levelled with Finnseco Polytop Finishing Mortar or Finnseco Levelling Mortar.</p> <p>Previously painted surfaces</p> <p>Clean the surfaces from dirt, dust and salts. Wash mouldy, mossy etc. surfaces using Tikkurila Mould Removal according to instructions. Remove flaking or poorly attached paint coats from previously painted surfaces. Choose the method of removal according to solidity of the substrate and type of paint to be removed (e.g. steel-brushing, high-pressure washing with hot water or water-sand blasting). Carry out necessary concrete</p>



## Finngard 500

repair, patching and filling using the Finnseco products as instructed. Priming

The need for priming is defined case by case. Chalking substrate is recommended to be primed with Tikkurila Hydrosol Primer.

Water-repelling properties of the substrate can be improved with Tikkurila Silicone Primer. Follow instructions in the data sheet.

### Application

Apply two coats. The paint can be thinned up to 5 % with water for priming, if necessary. Finish with unthinned paint.

### Note !

Stir Finngard 500 well before use. Reserve enough paint from the same batch for one uniform surface, to avoid possible colour differences. Should you need to use two different production batches, paint the joints with a solution of 1 part of old batch and 1 part of new batch. Make sure that this joint is in as inconspicuous point as possible.

The paint should be applied without interruptions.

The recommended coverage values should be followed to ensure the best protection ability.

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.

Mechanical stress 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

Wash the tools with water. Tikkurila Tool Cleaner is recommended for the removal of hardened paint.

### Maintenance instructions

Clean the surface cautiously with pressure washing without detergent at the earliest 1 month after painting. The washing may leave a permanent mark, therefore the area should be delimited imperceptible according to the structure lines. Remove dry loose dirt lightly with a soft brush without scrubbing. Tikkurila Mould



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Removal can be used to remove algae and mould, rinse off well. Maintenance treatment

Note: The surface needs always to be recoated after mould wash.

Surfaces painted with Finngard 500 can be re-painted with

Finngard 150, Finngard 500 and Finngard Silicone Resin Paint.

EU VOC 2004/42/EC-limit value (Cat A/c) 40g/l(2010)

Finngard 500 contains VOC max. 40g/l.

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### HEALTH AND SAFETY LABELLING

according to Regulation (EC) No. 1272/2008

The product is not classified as dangerous. A Safety Data Sheet is available on request.

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### DECLARATION OF PERFORMANCE

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#### ENVIRONMENTAL and WASTE DISPOSAL

Empty cans should be recycled or disposed of in accordance with local regulations. Liquid waste should be destroyed according to the local regulations.

#### TRANSPORT

ADR: not classified

sre261113 / jar270212 / ome171110 / klu270613 / 574-s

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# Finngard 500

PRODUCT DATA SHEET 27.06.2013

(Previous date 29.02.2008)

CE

Product for protection and repair of concrete structures – Coating



0809

0809-CPD-0773

EN 1504-2:2004

Product for protection and repair of concrete structures – Coating

Release of dangerous substances NPD

Permeability to CO<sub>2</sub> CO<sub>2</sub>s<sub>D</sub> > 50 m

Permeability to water vapour class I, s<sub>D</sub> < 5 m

Water permeability  $w < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$

Adhesion strength by pull off test  $\geq 1,0 \text{ N/mm}^2$

Reaction to fire F (NPD)

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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



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## Finngard 500

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.