



TIKKURILA

FINNSECO POLYTOP PLUS

POLYMER-MODIFIED LEVELLING RENDER

DESCRIPTION

Polymer-modified cement mortar, which slows down the intrusion of moisture and carbon dioxide into the underkyng concrete. Maximum grain size of 0.6 mm.

RECOMMENDED USES

Residential, business, industrial, warehouse and other buildings.

PRODUCT FEATURES

Leveling render for clean, firm surfaces, e.g., sand-blasted concrete, slowing down the carbonation of concrete and forming a smooth surface for the actual coating.

The product has excellent water retention, which prolongs working time in hot and windy conditions.



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

Colour Shades	Grey
Can sizes	25 kg
Application method	Trowel or Spray application with a plaster spray gun (min. nozzle size 7 mm) or manual application with a steel trowel.
Pot-life (+20°C)	Approximately 2 hrs
Adhesive strength (EN 1542)	> 1,5 N/mm ²
Compressive strength	Approx. 25 N/mm ²
Flexural strength	7 N/mm ²
Storage	In dry place (away from floor), protect from humidity.

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APPLICATION INSTRUCTIONS

Application conditions

The temperature of air, mortar and substrate must be at least +5 °C. Avoid working when it is hot or in direct sunlight.

Mixing components

4.5-5.5 liters water to 25 kg dry product.

Finnseco Polytop Plus is added to clean water and mixed mechanically until a consistent mixture is achieved. The mix is allowed to settle for approx. 5 min before re-mixing and application.

Surface preparation

Remove the existing coating or paint by sand-blasting. Remove any loose or damaged concrete, expose the corroded reinforcement bars by chipping and clean them of rust to at least grade St2. Remove any sanding and chiseling waste carefully. Treat refined steels with Finnseco Tartuntalaasti grout. Necessary patching is done with Finnseco repair mortar according to the instructions.

Wet the surface thoroughly on the previous day and again 1 to 2 hours before starting to apply the coating. You can start applying the mortar when the surface is absorbent and no longer glossy.

Top coating

Spraying:

Spray the mortar on mechanically and level it with a steel or cellular rubber float. You can finish the surface lightly with a sponge float in 20–50 minutes from application, according to the conditions.

Mortar layers thicker than 4 mm are recommended to be applied in several layers. The previous mortar layer must be allowed to dry for at least one day before the next layer is applied. The next mortar layer is applied to a matte damp and absorbent surface.

Application by trowel:

Apply a 1–4 mm thick layer of mortar manually with a steel or cellular rubber float. You can finish the surface lightly with a sponge float in 20–50 minutes from application, according to the conditions.

Cure the mortar surface by moisturizing with clean water (spray) or covering with plastic for 1–3 days, as required by the conditions.

Cleaning of tools

Clean tools immediately after use with water. Clean tools with water immediately after use.

Environmental protection and waste disposal

Deliver empty packaging and hardened mortar to a recycling point or waste tip according to local regulations. Destroy powdery, unused render according to the local regulations for hazardous waste.

Health and Safety

Contains: Cement, portland, chemicals. **Danger.** Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Avoid breathing mist/vapors/spray. Wear protective gloves and eye or face protection. In case of inadequate ventilation wear respiratory protection. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

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GHS05




GHS07

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EN 1504-3:2006

	
Tikkurila Oyj Heidehofintie 2 FI-01300 Vantaa	
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TIK-A047-2019	
EN 1504-3:2006	
Product for protection and repair of concrete structures – Non-structural repair.	
Capillary absorption	$\leq 0,5 \text{ kg}\times\text{m}^{-2} \text{ h}^{-0,5}$
Carbonation resistance	7 mm
Chloride ion content	$\leq 0,05 \%$
Compressive strength	Class R2
Release of dangerous substances	No

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