



TIKKURILA

FINNSECO KL6

POLYMER-MODIFIED, FINE REPAIR MORTAR

DESCRIPTION

Polymer-modified cement mortar containing fiber and additives that prevent shrinkage and improve thixotropy and adhesion.

RECOMMENDED USES

Residential, commercial, industrial and storage buildings and others.

PRODUCT FEATURES

For repairing minor concrete damage and finishing patching performed with Finnseco KL30 coarse repair mortar.



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TECHNICAL DATA

Colour Shades	Grey.
Coverage	A 25 kg sack will give approx. 14 liters of mix. Grade: 0–0.6 mm.
Can sizes	25 kg
Mixing ratio	Water requirement: 4–4.5l water/ 25kg dry product
Application method	Tamp with a trowel or spray with a plaster pump (min. nozzle size: 7 mm).
Pot-life (+20°C)	approx. 1.5h.
Density (kg/l)	Ready mix, approx. 2 kg/l.
Adhesive strength (EN 1542)	1.2 N/mm ²
Compressive strength	40 N/mm ²
Flexural strength	4.0 N/mm ²
Shrinkage	1.1 (28 days).
Storage	In dry place (away from floor), protect from humidity.

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APPLICATION INSTRUCTIONS

Application conditions

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

Mixing components

Amount of water to be used: 4–4.5 l water to 25 kg dry product.

Surface preparation

Remove any loose and damaged concrete. Pick-dress the edges of the area to be repaired to make them gently sloping. Remove concrete from around the exposed reinforcement bars (minimum 15 mm or 1.5 times the diameter of the reinforcement), clean the reinforcement of rust to at least grade St2 and coat the reinforcement with Finnseco-KOR anti-corrosion paint.

MIXING THE MORTAR

Add the Finnseco-KL 6 powder to clean water (4–4.5 l water to 25 kg powder) and mix to an even consistency, e.g. with a whisk attached to a power drill or in a mixer. Let the mix stand for approx. 5 minutes and mix again before starting work.

Application

REPAIRS

Moisten the area to be repaired carefully 1–2 hours before starting. You can start the repairs when the moist area is no longer glossy. Pack mortar into the hole to be repaired with a trowel. This eliminates any air pockets that could weaken the bond. The mortar can also be applied by spraying with a paste-spraying gun. Extensive areas several centimeters deep should be repaired in stages. In the first stage, pack mortar into the hole to a thickness of 10–15 mm. Let the patch dry for at least one day before continuing to fill it.

If the damaged area is more than 30 mm deep and 100 × 100 mm large, fill it with Finnseco-KL 30 repair mortar.

NOTE!

When treating a surface containing asbestos, follow the Government Decision on Asbestos Work (1380/1994) and the related Decrees 318/2006 and 863/2010.

Only mix the amount of mortar you can use in approx. 20 minutes. The repaired surface should be finished gently with a wood float.

Aftercare

Cure the repaired location by moisturizing it in the mornings and evenings with sprayed water or by covering with plastic for 2–4 days, according to the circumstances.

Cleaning of tools

Clean tools immediately after use with water.

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.

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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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.



GHS05



GHS07

FINNSECO KL6

EN 1504-3:2005

	
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Tikkurila Oyj Kuninkaalantie 1 FI-01300 Vantaa	
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TIK-1630-5002	
EN 1504-3:2005	
Product for protection and repair of concrete structures – Non-structural repair.	
Restricted shrinkage /expansion	≥ 0,8 MPa
Carbonation resistance	pass ¹⁾
Chloride ion content	≤ 0,05 %
Reaction to fire	F (NPD)
Compressive strength	Class R2
Adhesion strength by pull off test	≥ 0,8 MPa
Release of dangerous substances	NPD

1) When the mortar is coated with a coating for concrete protection complying with EN 1504-2, method 1.3.

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