

TIKKURILA

FINNSECO KL+KORJAUSLAASTI

REPAIR MORTAR

DESCRIPTION	Polymer-modified fiber-reinforced cement mortar containing a corrosion inhibitor.
RECOMMENDED USES	Residential, commercial, industrial and storage buildings and others.
PRODUCT FEATURES	Recommended for repairing damages in concrete structures and leveling of walls, suitable for outdoor and indoor use.

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.
Coverage	A 20 kg sack will give approx. 11-12 liters of mix. Grade: 0-1,5mm. Layer thickness: 3-30mm, filling of holes 60mm.
Can sizes	20 kg, 25 kg
Mixing ratio	Water requirement: 2.7–2.9 l water / 20 kg dry product.
Application method	Tamping with a trowel or spraying with a plaster pump.
Pot-life (+23°C)	around 2 hours.
Density (kg/l)	Ready mix approx. 1.8 kg/l.
Storage	In dry place (away from floor), protect from humidity.

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APPLICATION INSTRUCTIONS

Application conditions
The temperature of 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: 2.7–2.9 l water / 20 kg dry product.

Surface preparation
Remove any loose and damaged concrete. The edges of the area to be repaired are pick dressed to make them gently sloping. Concrete surrounding exposed reinforcement bars should be removed (minimum 15 mm or 1.5 times the reinforcement diameter) and cleaned from rust (prepared) to at least grade St2. When the thickness of the protective layer of reinforcement steel in the finished structure is less than 10 mm, the reinforcement steel must be protected with Finnseco Tartuntalaasti.

PREPARING THE MORTAR:
Add Finnseco KL+ to clean water, and blend it into an even mix by using a beater attached to a power drill or a vertical-shaft mixer, for example. Allow the ready mix to settle for approx. 10 min before re-mixing and application.

Application
Repair:
Carefully moisten the area to be repaired 1–2 hours before starting the work. The work can begin when the moistened area to be repaired does not shine any more. On smooth and unevenly absorbent surfaces, the use of Finnseco Tartuntalaasti is recommended. Tamp the mortar into the area to be repaired using a mortar trowel; this ensures that there are no air pockets in the patch that could hamper the adhesion of the mortar. The mortar can also be applied by spraying with a paste-spraying gun. Several layers are used to repair extensive areas that are more than 30 mm deep. Allow the area to harden for at least 1 day before continuing filling.If a more adhesive-like composition is desired for the product, 5 kg of Finnseco Tartuntalaasti can be added to one 20 kg bag of KL+ Korjauslaasti.

Aftercare
Spray clean water on the repaired area every morning and evening, and/or cover the surface with a plastic sheet for 1–3 days, depending on the conditions and the thickness of the layers.

Cleaning of tools
Wash 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.

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

CE

0416

Tikkurila Oyj
Kuninkaalantie 1
FI-01300 Vantaa

16

TIK-1630-5017

EN 1504-3:2006

Product for protection and repair of concrete structures – Structural repair.

Restricted shrinkage /expansion	≥ 1,5 N/mm²
Capillary absorption	≤ 0,5 kg/(m²•h0,5)
Carbonation resistance	approved[1)]
Coefficient of elasticity	≥ 15 kN/mm²
Chloride ion content	≤ 0,05 %
Skid resistance	NPD
Coefficient of thermal expansion	NPD
Adhesion after thermal compatibility	NPD
Reaction to fire	A 2
Compressive strength	Class R3
Adhesion strength by pull off test	≥ 1,5 N/mm²
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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