



TIKKURILA

# FINNSECO KUITULAASTI

POLYMER-MODIFIED, FIBER-REINFORCED THIN RENDER

**DESCRIPTION**

Polymer-modified fiber-reinforced cement-based thin render with a maximum grain size of 0.6 mm.

**RECOMMENDED USES**

Residential, commercial, industrial and storage buildings and others.

**PRODUCT FEATURES**

Used in insulating rendering systems as adhesive, reinforcing and leveling mortar and as leveling mortar for concrete, block, board and brick structures.



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

|                           |                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Colour Shades</b>      | Grey.                                                                                                                                                     |
| <b>Coverage</b>           | 1,5 kg/m <sup>2</sup> /mm.<br>For gluing insulation approx. 4 kg/m <sup>2</sup> , for reinforcement approx. 9 kg/m <sup>2</sup> (layer of thickness 6 mm) |
| <b>Can sizes</b>          | 25 kg, 1000 kg                                                                                                                                            |
| <b>Mixing ratio</b>       | Water requirement: 5.5 – 6.0l water/ 25kg dry product.                                                                                                    |
| <b>Application method</b> | Spraying with a plaster pump or application with a steel trowel.                                                                                          |
| <b>Pot-life (+23°C)</b>   | around 2 hours.                                                                                                                                           |
| <b>Density (kg/l)</b>     | Ready mix approx. 1.7 kg/l.                                                                                                                               |
| <b>Shrinkage</b>          | 0.2 ‰                                                                                                                                                     |
| <b>Storage</b>            | 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. Working in hot air, strong winds, direct sunlight, rain or before rain should be avoided.

### Mixing components

Amount of water to be used: 5–5 l water / 6,0 kg dry product.

### Surface preparation

The surface to be treated is cleaned of dirt, dust and salts with for example water pressure wash. Surfaces with mold, moss etc. are cleaned with Tikkurila Mold Removal in accordance with the instructions. The outer uneven spots are removed mechanically, and the big cracks are filled with Finnseco KL+ Repair Mortar or another suitable mortar for the block. Surfaces on which additional insulation will be attached are corrected and reinforced in accordance with the specifications.

Smooth, glassy concrete surfaces must always be treated mechanically to create a sufficient surface profile and remove the laitance.

### PREPARING THE MORTAR:

Finnseco Fiber Mortar is added to clean water and mechanically mixed to an even mass, after which it is let to water for about 10 minutes before re-mixing and beginning to work.

### Application

#### Gluing

Liimalaasti (adhesive plaster) is spread out thoroughly with a trowel to the insulation boards. After this the boards are pressed to the substrate and pressed tightly together. There must be no mortar or open areas left in the joints.

#### Netting

Kuitulaasti (fiber plaster) is spread on top of the insulation or plaster boards, a layer of 3–4 mm with a mortar spray or with a steel trowel by hand. Finngard Fiberglass Mesh is embedded in the fresh mortar. The nets are interlaced at least the length of 100mm. A second mortar rendering is spread and finished at the earliest the next day after the spread of the lower layer.

#### Filling

The mineral substrate filling is done twice so that a protective and structure covering plaster is achieved. Finnseco Fiber Mortar is spread with a mortar spray or with a steel trowel by hand. If necessary, the plaster is fortified with Finnseco fiberglass net.

The mortar must be let to harden one day per mm before other treatments.

### Aftercare

The netting and sand filler surface made with Finnseco Kuitulaasti (fiber plaster) is maintained by protecting with plastic or by moisturising with clean water (spraying) for 1–3 days, depending on the circumstances.

### Cleaning of tools

Clean tools immediately after use with water.

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## 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.



GHS05



GHS07

# FINNSECO KUITULAASTI

EN 998-1:2010

|                                                                                                                             |                                 |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                            |                                 |
| Tikkurila Oyj<br>Kuninkaalantie 1<br>FI-01300 Vantaa                                                                        |                                 |
| 16                                                                                                                          |                                 |
| TIK-1630-5012                                                                                                               |                                 |
| EN 998-1:2010                                                                                                               |                                 |
| General purpose rendering/plastering mortar (GP) & Adhesive, reinforcement and levelling mortar for indoor and outdoor use. |                                 |
| Restricted shrinkage /expansion                                                                                             | $\geq 0,8$<br>N/mm <sup>2</sup> |
| Capillary water absorption                                                                                                  | W 0                             |
| Dry bulk density                                                                                                            | NPD                             |
| Thermal conductivity mean $\lambda_{10,dry,mat}$ -values                                                                    | NPD                             |
| Reaction to fire                                                                                                            | A 2                             |
| Durability                                                                                                                  | NPD                             |
| Compressive strength                                                                                                        | CS IV                           |
| Release of dangerous substances                                                                                             | NPD                             |
| Water permeability after weathering cycles                                                                                  | NPD                             |
| Water penetration after capillary water absorption test                                                                     | NPD                             |
| Water vapour permeability coefficient, $\mu$                                                                                | NPD                             |

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