

## CL112 EKOFLEKS - Adhesive mortar for rock wool

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CL 112 is special adhesive for gluing of hard boards of mineral wool and the formation of a reinforcing layer in thermal insulation systems.

- Good adhesion to the substrates
- Resistant to weathering
- Vapour-permeable and hydrophobic
- Environmentally friendly

### Scope of application

Special adhesive is used for gluing of solid mineral wool boards and mineral insulation boards inside and outside the premises as well as for boarding and plastering mesh reinforcement in thermal insulating systems. It has a high elasticity and strength, enhances the entire heat insulation system. Glue is water- and frost- proof, has good water vapour-permeability. It is suitable for all mineral substrates, such as: brick, plaster, concrete.

### Instructions for use

#### Preliminary work.

The surface should be sturdy and without damage. Loose layers that cannot withstand the load must be completely cleaned from the surface by mechanical means. The surface should be dried and cleaned from dust and contaminants that degrade the adhesion to the substrate. In case of biological corrosion, surface vegetation or micro-organisms formation should be removed with a wire brush and the surface should be treated with antibacterial Ekofleks GL29, according to the instructions. If necessary, the prepared surface should be primed with Ekofleks GL25 or Ekofleks GL27. After processing, the primed surface must be clean, firm and not crumbly. Mix 25 kg of dry adhesive mixture Ekofleks CL112 with 5.5 litres of water to a smooth paste. After 5-10 minutes stir it again thoroughly.

#### Boards attaching.

The surface of mineral wool board should be puttied with a thin layer of glue, rubbing it into the surface thoroughly. Adhesive mixture is applied around the perimeter of the board, and at the centre of the board several portions of glue, as big as a palm, are applied, then press them against the surface of the wall, slightly tapping the board. If the wall surface is even, then glue is applied to the entire board surface with a notched trowel 10x10x10 mm. Adhering boards is upwards. Boards of mineral wool are glued tightly and without gaps, so that the glue does not penetrate into the joints between the boards. Particular attention should be given to full adhesion of the board's edges to the surface. Boards of mineral wool are attached to the wall with plugs, not earlier than 24 hours after attaching them to the substrate. In case of attaching them with plugs immediately after adhering to the base, the boards can deform and come off. Work should be carried out at temperature from +5C<sup>0</sup> to +30C<sup>0</sup>. The average consumption is 4.5 kg/m<sup>2</sup>.

#### Reinforcement.

Mortar is applied to the glued dowelled plate with a notched trowel. Reinforcing mesh is imposed onto the mortar and it is drowned into the mixture with a spatula. Then, just on the laid mesh, without waiting for the drying out of the first layer, a second layer (up to 3 mm) of mortar is applied and smoothed. Work

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should be carried out at temperature from +5C<sup>0</sup> to +30C<sup>0</sup>. Finishing work, tools have to be cleaned with water. The surface should be protected from rain and frost for a few days. Applying a protective, decorative coating should not be earlier than 72 hours after application of a reinforcing coating.

### Terms of storage

It should be stored in an original container. It has to be protected from moisture. Storage period is 12 months from the manufacture date indicated on the package.

### Instructions for disposal

The material cannot be sewerred into drains and discharged into wastewater. Material residues have to be mixed with water and after their hardening, be disposed as construction debris.

### Security measures

Keep out of reach of children. In case of eye contact, rinse immediately with plenty of water and consult a doctor for medical advice.

| Technical data                             |  |
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| Composition:                               | Polymer-cement mixture, modifiers  |
| Proportion:                                | 5,5 L of water per 25 kg of CL 112   |
| Correction time:                           | at least 15 minutes  |
| Mixture working life:                      | not less than 120 minutes  |
| Temperature of the air and the base:       | from +5°C to +35°C   |
| Adhesion:<br>to concrete<br>to polystyrene | > 0,5 N/mm <sup>2</sup><br>> 0,1 N/mm <sup>2</sup> (or material's rupture) |
| Consumption:                               | ~ 4,5 kg/m <sup>2</sup>  |
| Working life from the manufacture date:    | 12 months  |
| Package:                                   | 25 kg  |

\* All data given at the temperature 20°C and relative humidity of 60%.

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