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KORROGARD R 1.2 MM

CE SILKO



Product description

Fescon Korrogard R, 1.2 mm, is a polymer-modified and fibre-reinforced repair plaster for concrete structures.
- Silko-approved (17 February 2012)
- Compressive strength around 40-50 MPa
- Low drying shrinkage
- Suitable for manual or spray application
- Frost-resistant
- Good adhesive properties

Applications

- Repair, straightening and coating of concrete surfaces
- For both horizontal and vertical surfaces
- Adding a protective concrete shield
- Increasing the structural strength

The product is listed in the portal for building products that can be used in Nordic Swan Ecolabelled buildings.

Instructions

Base

The base must be undamaged, clean, and damp enough to be darker in colour. There must be no cement paste on the surface. Remove damaged concrete, for example by chiselling or milling. After removal, make sure that no partially damaged concrete remains on the surface. If necessary, water sand blast the surfaces and finally pressure wash them. The target level of cleanliness is class 3. Clean reinforcement bars to cleanliness class Sa2 and pressure wash them. We recommend protecting the rebars immediately with Fescon Adhesive Plaster. Reinforcement according to the designer's instructions. Begin wetting the base on the previous day. The required amount of wetting depends on the weather conditions and, for instance, the strength of the base. Bases with a high strength require more wetting. You must always ensure that there is no standing water on the base when starting rendering. Use Fescon Adhesive Plaster for manual repairs. When spraying plaster on a base with adhesion difficulties, for example due to water absorption or smoothness, use Fescon Adhesive Plaster.

Mixing

Total water requirement is around 3.6 l/25 kg of dry product. Add the dry material to the water and mix with a power mixer for around one to two minutes allow to stand for five minutes and mix again for a short while. Find the final consistency at this stage by adding water when necessary. However, keep the total amount of water at around 14.4% of the dry product. The finished plaster remains workable for around one hour.

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Work instructions

When applying the compound manually, press it particularly carefully to the base. Use the adhesive plaster with the wet on wet principle. Apply deeper fills in layers so that the previous layer has had time to harden for at least one day. In machine application, use sufficiently powerful pumping equipment to apply the compound, for example, a plastering pump. If necessary, test to ensure that the equipment is suitable. The recommended layer thickness for a single spraying is 3-10 mm. You can use thicker fills when patching individual cavities.

After treatment

The lowest working temperature is +5°C. Nor should the temperature be allowed to fall below this during aftercare. The aftercare must be begun immediately after the plaster has been spread and must continue for at least five days. We recommend plastic covers and/or hood. The aftercare is stopped in stages. Naturally, the SILKO guidelines shall also be followed during aftercare.

Waste handling

Storage and handling of waste
See the separate storage and disposal instructions https://www.fescon.fi/en/material-bank

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Technical information

Material usage	Approx. 2.0 kg/m^2 / 1 mm layer
Water requirement	Approx. 3.6 l / 25 kg
Finished compound	Approx. 13-14 l / 25 kg of dry product
Colour	Grey
Composition	Portland cement, natural sand 1.2 mm, polymer and fibre reinforcement
Package size	25 kg
Storage	The product keeps for 12 months from the manufacturing date unopened in a dry location
Workability time	Max. approx. 1 h
Compressive strength	7 days approx. 35 MPa 28 days 40 - 50 MPa (EN 12190) Strength depends on the amount of water used and the aftercare
Adhesion strength	> 1.5 MPa (EN 1542)
Carbonation	6 mm (according to the Silko test programme)
Frost resistance	Adhesion strength > 2 MPa (EN 13687) (no cracking or lamination)
GWP A1-A3	0,46
GWP unit	kg CO2e/kg
Method for calculating the GWP value	Generic

Limitation of liability, product use notes and restrictions: Please familiarize yourself with Fescon Oy's general terms of delivery and the design and work instructions related to the product.