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SILKO RAPID CORRO SPC C35/45



Product description

Fescon SILKO Rapid Corro C 35/45 3 mm is a special plaster for demanding casting applications
- SILKO-approved (24 Aug 2012)
- Compressive strength C 35/45
- Rapid hardening and drying
- Easy to compact
- Good salt-frost resistance
- Good adhesive properties
- Very slow carbonation

Minimum delivery 3 pallets of small sacks.

Applications

- Bridges, harbours and parking garages
- Horizontal surfaces such as stairs and floors
- Adding a protective concrete shield
- Exposure classes XF4 and XC4

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, rough and damp enough to be darker in colour. There must be no cement paste on the surface. 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. You must always ensure that there is no standing water on the base when starting rendering. If necessary, use Fescon Adhesive Plaster.

Valmistamine

Total water requirement is around 2.5 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 10% of the dry product. The finished plaster remains workable for around one hour.

Work instructions

Adhesion to the base concrete is ensured through careful compacting and, if necessary, by applying a separate adhesion layer on the base with a brush. Do not allow the adhesion layer to dry before spreading the plaster. If necessary, use Fescon Adhesive Plaster. The thickness of a casting layer spread at one time is around 10 to 50 mm. When doing thicker casts, leave the lower layer rough so

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that adhesion between casting layers is as good as possible. The lowest working temperature is +5°C. The mass and base must always be at a temperature of at least +5°C.

After treatment

The aftercare must be begun immediately after the plaster has been spread and must continue for at least seven days. We recommend using plastic covering / curing compound and a hood. The aftercare is stopped in stages. When doing extensive surface casting, you must pay special attention on not only aftercare but also the preparation of the base and the casting work itself to avoid cracks.

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	50 mm layer 90 kg/m^2
Water requirement	2.3 - 2.5 l / 25 kg
Finished compound	11 - 12 l / 25 kg bag
Type	Powder
Colour	Grey
Composition	Portland cement, natural sand, and additives improving workability, weather resistance and compactness
Maximum grain size	3 mm
Package size	25 kg
Storage	Storage time in a dry location approx. 1 year
Lowest usage temperature	+5°C
Workability time	1 h
Drying time	Rh < 90% approx. 7 days (T 20 C, Rh 50%, w/ water amount < 10%)
Strength class	C 35/45
Compressive strength	K 45
Adhesion strength	> 2 MPa
Strength development	1 day ~20 MPa 7 days ~40-45 MPa 28 days ~45-50 MPa
Reaction to fire	A1
Exposure class	50 years XC4, XS3, XD3, 100 years XC4, XS1, XD2
Carbonation	0 mm (according to the Silko test programme)
Frost resistance	Adhesion strength > 2 MPa (no cracking, erosion 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.