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ROCK PAINT FRP CAVE PAINT

NEW!



Product description

Fescon Rock paint FRP Cave paint is a cement-bonded spray paint with a very low spreading rate (0.5–0.8 kg/m^2) and excellent covering properties. Suitable for spray painting shotcrete and concrete surfaces to increase lightness in tunnels, caves and parking facilities. The rock paint creates a finished and highly reflective surface with just one application. Standard colour is white, other colours available according to the Fescon colour chart.
Rock paint FRP Cave paint does not form an impermeable film over the surface that would affect the breathability of the structure; instead, it allows water to permeate the structure, making it easy to detect possible leaks. The product is polymer-modified, eliminating the need for separate adhesives. The rock paint has excellent strength and adhesion properties in humid and underground conditions. The rock paint has good maintenance properties, as the surface treatment can withstand high-pressure cleaning and mild detergents.
Reaction to fire A2-s1, d0, grain size 0.1 mm, adhesion strength > 1.5 MPa. The minimum delivery quantity for made-to-order products is 3 pallets of small bags.

Applications

- For surface treating and painting shotcrete and concrete surfaces to increase lightness
- Surface treatments of caves, tunnels, parking facilities
- Material usage approx 0,5 – 0,8 kg/m^2

Instructions

Base

- Shotcrete surface or concrete base
- The temperature of the base should be +5°C..+25°C.
- The base must be clean, dust-free, solid and firmly fixed in place.
- Loose layers, cement paste and other impurities should be mechanically removed in order to ensure the proper adhesion of product to the base.

Priming

- No priming required in normal, humid tunnel conditions.
- In sites with a very dry and absorbent base, wet the base with water the day before application.
- Liquid adhesion primers are not used.

Mixing and placement

- The work site must be thoroughly protected against draught, free water and excess heat.

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- During spraying and curing, the temperature should be kept between +5°C and +25°C.
- A bag (20 kg) of the product is mixed with approx. 14.0 litres of cold water. When pumping, the amount of water should be equal to approximately 70% of the weight of the dry product. The amount of water in the product is correct when the paint does not run on the surface to be painted.
- The amount of water must be in accordance with the instructions on the product card. Deviating from the instructed amount of water will cause the paint to run on the surface. It will also significantly prolong the drying time.
- The product is carefully mixed into a smooth and fluid paint.
- The product is sprayed with a suitable plaster gun and spread into a smooth layer on the surface to be treated. The desired layer thickness is achieved in one application.
- The working time is approximately 2 h from water addition.
- Wash all tools with water immediately after finishing the work
- The dried product is removed mechanically.

Other considerations

- The work must be performed in accordance with the infraRYL instructions.

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	0.5 - 0.8 kg/m^2, a very uneven platform increases material usage
Water requirement	13 - 15 l
Type	Powder
Colour	White, other colours available according to the Fescon colour chart
Maximum grain size	0.1 mm
Package size	20 kg
Storage	Storage time in a dry location approx. 12 months
Fibre	Non-fibre reinforced
Additives	Polymer-modified, additives to improve workability
Usage temperature	+5°C...+25°C
Workability time	Approx 1-3 h
Pull-out strength	> 1,5 MPa
Reaction to fire	A2-s1, d0
Frost resistance	Frost resistant
Water vapour permeability	0.37 m (Class I s0 < 5 m; EN ISO 7783-14)
Capillary water penetration	0.045 kg/m^{2}h^{½}
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.