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ADHESIVE AND SURFACE RENDER KPL

CE NEW!

Product description

Lime-cement-based, sulfate-resistant sdhesive and surface render for silicate boards.
- Sulfate-resistant
- Moisture-regulating
- Hydraulically hardening
- Good workability

Applications

- Adhesion and surface finishing of silicate boards
- Also suitable for substrates containing gypsum
- For levelling and repairing minor unevenness in the substrate

Instructions

Substrate

Adhesive and surface render can be used on mineral substrates as well as on dry, gypsum-containing substrates. The substrate must be even, clean, load-bearing, and suitable for bonding the boards. Old paints, salts, bitumen coatings, etc. must be removed. If necessary, the substrate can be pretreated with Fescon Silicate primer to equalise absorption. The substrate must be moistened (to a matte-damp condition) before installing the boards. Any damage or water leaks in the substrate must be repaired before the installation of the silicate boards.
Substrates containing gypsum must be removed in areas where there is a risk of moisture penetration through the substrate. The remaining gypsum plaster layer must be at least 10 mm thick. Thinner gypsum layers are not suitable as a base for the installation of the silicate board system.

Mixing

Pour approximately 10 litres of clean tap water into the mixing container. Add 20 kg of Adhesive and surface render and mix mechanically. Mixing time must be at least 3 minutes. Allow the mortar to stand for a short while, then remix. Prepare only as much material as can be used within approximately 2 hours. Do not retemper hardened mortar with water or fresh material. Higher temperature and lower relative humidity will accelerate drying.
Before applying the finishing coat or the next board layer, treat the surface with Fescon Silicate primer (2 parts Silicate Primer to 1 part water).

Board installation and furface finishing

Apply Adhesive and surface render to both the wall and the back side of the silicate board using a notched trowel (recommended notch size 8–10 mm) in a horizontal direction to ensure full adhesion to the substrate (make a test application if necessary). The boards must be installed quickly so that the adhesive does not form a skin. Press the board firmly against the substrate with the palms of your hands. Avoid using excessive force to prevent the board from cracking.

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Apply a new 2–3 mm thick layer of Adhesive and surface render on top of the installed boards and embed an alkali-resistant glass fibre mesh (7 × 7 mm). Overlap the mesh by 10 cm. Apply an additional 2–3 mm finishing layer on top and smooth the surface.

Tool cleaning

Clean tools with clean water immediately after use.

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. 4.4 boards / m^2 Approx. 0.9–1 kg / m^2 / mm Board installation: approx. 8 kg / m^2 Reinforcement and surface rendering: approx. 7 kg / m^2
Water requirement	10 l
Binder	Lime, cement
Maximum grain size	0.5 mm
Package size	20 kg
Storage	1 year from the date of manufacture in a dry place
Additives	Mineral lightweight additives
Usage temperature	The temperature of the air, substrate and product must be between +5°C and +30°C
Workability time	Approx. 2 h
Usage time	Max. 2 h
Compressive strength	≥ 1,5 N/mm^2
Tensile strength	≥ 0,08 N/mm^2
Reaction to fire	A1
Washing tools	With clean water immediately after use

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.