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FESCOSEAL A+B



Product description

Fescoseal A+B is a two-component waterproofing compound for both outdoor and indoor use. The product is non-shrinking and quick to dry, and it can be applied using a roller. Withstands temperatures below freezing and has excellent adhesion properties. Can be used on substrates with a relative humidity of < 95% evaluated at the correct depth.

- Fescoseal A+B is suited for **airtightness repair together with Fescon waterproofing strip VE-N or FS-N.**
- Accessories used with Fescoseal A+B: Fescon Primer KP, drain flange KL-B, waterproofing accessories VE and FS.
- Consumption indoors 1.3 kg/m^2, outdoors 3.2 kg/m^2
- Sufficient dry membrane thickness easily with two treatments.
- Once dry, withstands temperatures below freezing
- Good adhesion properties, extremely elastic
- EC1 rated
- Part of an M1 approved water proofing system
- Eurofins Expert Services Oy product certificate C-11838-16

Applications

- Waterproofing of indoor and outdoor walls and floors to be tiled.
- Balconies and terraces
- Outdoor saunas that are cold in the winter
- Public wet spaces with continuous moisture
- Airtightness repairs with waterproofing strip VE-N or FS-N

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

Instructions

Instructions for use indoors

Base

- The base can be concrete, a cement-based leveling compound, or a building board suitable for wet areas.
- The substrate must be clean, dust-free, solid and immobile
- Loose layers, cement paste and any other impurities have been removed mechanically to ensure adhesion between the product and the substrate.
- The substrate temperature is more than +10°C and the relative humidity less than 95%.
- Underfloor heating must be turned off two days before waterproofing.
- Uneven floors are levelled with Fescon floor leveling compound, and the walls with Fescon Levelling compound for wet areas WTT

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Priming

- Priming is done with Fescon Primer KP, following the instructions on the product card.
- Concrete substrates and cement-based filler substrates: 1 part Fescon Primer KP, 3 parts water.
- Substrates that do not tolerate moisture, such as gypsum-based building boards: Not to be thinned.
- Fescon Primer KP is spread thinly using a brush.
- Fescon Primer KP must be dry before Fescoaseal A+B is applied, requiring 1–4 hours, depending on the conditions.
- For outdoor use, priming is done with water.

Mixing and application

- Use the following accessories with the product: Drain flange KL-B, waterproofing accessories VE or FS.
- The through-hole flange must be one size smaller than the hole to be waterproofed.
- Product is always applied in two layers, and mixed before use.
- Turn the canister containing the liquid (component B) to mix it (do not shake), then pour it into a clean mixing container, and gradually mix in the powder (component A), stirring all the time. The components are mixed at a ratio of 1:1 in terms of weight (1 kg : 1 kg) and mixed until the product is completely uniform and with no lumps.
- Begin waterproofing from the walls by spreading Fescon Primer KP, as explained in the instructions.
- Spread the waterproofing compound into the corners, where two elements meet, and into through-holes. Waterproofing accessories compatible with the system are attached to the wet waterproofing compound. Spread the waterproofing compound thoroughly over the strengthening strips using a brush or roller. Make sure that the strips are fully attached to the waterproofing compound below, with no exposed parts. The strengthening strips must be between two waterproofing compound layers.
- Apply the first layer of the product across the entire wall area to be waterproofed. Note that the seam between the wall and floor is treated with the waterproofing compound and a strengthening strip only when performing the waterproofing of the floor. Allow the product to dry for about 90 minutes before applying the second layer. As the product dries, it becomes darker. The surfaces must be dry before applying the next layer.
- Tile the walls before waterproofing the floor. Complete the bottom row of tiles when you start working on the floor tiles.
- Start the floor waterproofing by priming the floor according to the primer product's instructions.
- Spread the waterproofing compound into the corners and into through-holes. Waterproofing accessories compatible with the system are attached to the wet waterproofing compound. Spread the waterproofing compound thoroughly over the strengthening strips using a brush or roller. Make sure that the strips are fully attached to the waterproofing compound below, with no exposed parts. The strengthening strips must be between two waterproofing compound layers.
- Spread the product around the drain so that the drain flange KL-B is placed over the wet Fescoseal A+B compound in its entirety. First remove half of the protective paper and attach it to half of the drain. Remove the other half of the protective paper and turn the other half of the drain flange against the drain. The drain must be fully covered by the drain flange. Make sure that the drain flange is fully attached.
- Spread the waterproofing compound all over drain flange KL-B.
- Then apply the first layer of the waterproofing compound continuously across the entire floor area to be waterproofed. Allow the first layer to dry for about 90 minutes before installing the floor drain clamping ring and applying the second layer.

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- Install the clamping ring. Start by cutting a hole in the middle of the floor drain, as instructed by the drain manufacturer. Fold and tighten drain flange KL-B using the clamping ring against the inside of the drain, pressing evenly. The drain flange must reach all the way down to the bottom edge of the clamping ring when the ring is fully installed. Cut off any excess parts off the bottom.
- Apply the waterproofing compound on the floor area to be waterproofed for a second time. The second layer of the waterproofing compound extends to the top edge of the clamping ring.
- No waterproofing compound is to be applied inside the floor drain.
- The tools can be washed with water directly after use

Instructions for use outdoors

- Outdoors, you can treat, for example, terraces and saunas that are cold in the winter.
- The dry membrane thickness of the waterproofing compound must be at least 2.0 mm outdoors (consumption: 3.2 kg/m^2).
- Outdoors, the substrate must be concrete or a cement-based leveling compound suitable for outdoor applications.
- The tensile strength of the substrate must be > 1.0 MPa
- The priming is done with water. Prepare the substrate to be matte wet before waterproofing no water should actually be visible. Outdoors, Fescon Primer KP may not be used.
- In an outdoor application, the first layer of the waterproofing compound may be thinned with water, up to 10% of the mixed product's total amount.
- So, if you are making a total of 2 kg of the product (1 kg = A + 1 kg = B), add 10% of water (2 dl).
- The second layer of the waterproofing compound is made using unthinned waterproofing compound.
- The work area must be completely protected from wind, draft, sun and rain.
- Otherwise, follow the same instructions as for indoors.

Tiling

- Tiling can be started about 4 hours after the last layer of the waterproofing compound has been applied.
- Use Fescon tile adhesive plaster VSL, ILL, SS2 or SSL Lite, depending on the tile and target.
- If any waterproofing compound is visible between the clamping ring and floor drain cover, cover it with adhesive plaster to protect it.
- Tiles can be grouted with Fescon Tile seaming plaster SML and sanitary silicone, following the instructions for the adhesive plaster.

Other points to note

- Once the product has begun to harden, it may not be thinned with water or component B. Nothing else may be added to the product.
- Waterproofing is carried out in accordance with RT cards and RIL guidelines.
- The drying times on the product card apply to +20°C, relative humidity 50%. Low temperature or high humidity in the work area extend the drying period.
- Avoid walking on a recently waterproofed floor.
- Not suitable for spaces continuously exposed to water, such as swimming pools

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	Walls and floor: 1.3 kg/m^2 indoorsWalls and floor: 3.2 kg/m^2 outdoors
Water requirement	Component A+B
Colour	Once dry, it is dark brown
Package size	10 kg + 10 kg
Storage	For 12 months from the manufacturing date shown on the package, store in a warm place. The product must not freeze.
Usage temperature	+10°C…+25°C (base and indoor temperature)
Drying time	About 90 minutes first treatment, after second treatment, approx. 4 hrs before installing tiles (+20°C, relative humidity 50%)
Coatable	Tiles may be installed after the second treatment, after about 4 hours
Frost resistance	Once dry, withstands temperatures below freezing
Film thickness	0.8 mm indoors (both wall and floor), 2.0 mm outdoors (both wall and floor)
Method of application	Brush, roller
Transport	Warm transport

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.