

BITUMSEAL FLEX– highly elastic cement coating for walls and floors sealing

Cat. no.: C00201

Version: 10/13

Product Description

BITUMSEAL FLEX is two components, highly elastic cement mixture for multi-purpose sealing, designed for positive and negative sealing. **BITUMSEAL FLEX** is made of minerals, cement, hydraulic additives and latex.

BITUMSEAL FLEX combines elasticity, adhesion and excellent water tightness. It provides excellent adhesion to substrates such as: concrete, wood, metal, etc.

BITUMSEAL FLEX was tested by SII (Israeli Standard Institute) and confirmed to be in contact with drinking water in reservoirs, according to the update Israeli Standard no. 5452 (2008).

Application

- Suitable for positive and negative sealing.
- Used for sealing water reservoirs, drinking water reservoirs, swimming pools.
- Seals concrete walls in preparation for dry or wet coating by natural stones.
- Seals interior basements, Plants containers, kitchens and bathrooms.
- Suitable for sealing the back of stones in industrialized construction methods.
- Thanks to its excellent adhesion to various surfaces and its superior elasticity, the product is used as a primer and bonding cement system to other systems.

Technical specifications

Cracks bridging capacity – 2.27 mm.

Adhesion strength to concrete – 1.18 Mpa.

Water vapors passage – 1.86 meter = SP.

Elongation in maximum load – 51%

Resistance to water pressure (7 Atm) – o.k.

Resistance to negative water pressure (1.5 Atm) – o.k.

Water permeability

According to tests conducted by the standards institute: No water penetration at 1, 3, and 7 atmospheres.

Substrate

Concrete, concrete and Ytong blocks, silicate, plaster, etc.

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Method of application

- Remove dust, dirt, grease, and loose parts off the surface.
- Rinse the surface to saturation and remove water surplus.
- Chisel out and around external defects, embedded gravel, wires, and exposed reinforcing steel and repair prior to applying the sealer.
- Fill and smooth wall-floor corners, using the appropriate materials 48 hours before applying BITUMSEAL FLEX.
- Pour the contents of one bucket (10 kg) BITUMSEAL FLEX part B into a container of a mechanical mixer. Start mixing and add slowly, while mixing, the contents of part A bag. Mix thoroughly until a homogenous, easy to apply mixture is obtained. Rinse the adhesive residue in the bucket with about 1 liter of water and add to the mixture.
- Apply the prepared mixture on the side of the wall that faces the water (positive and negative sealing), using a brush or a trowel. In the event of repaired spots, apply the mixture over the repair after it dries.
- It is recommended to use BITUMSEAL FLEX in two colors, to ascertain full coverage of the surface by the sealer.
- Apply 2-3 coats according to the expected moisture. Apply the coats at 12-24 hours intervals, in crisscross direction, using different colors. In water tanks apply 3 layers, 1.25 kg/m² each.
- After finishing the last layer of BITUMSEAL FLEX, wait 6-10 hours for initial drying and then start to wet the surface with clean water, 2-3 times a day, for 2-3 days, in order to achieve good properties of the products.

Consumption

About 1.25 kg/m² in one coat (1 mm dry thickness). For sealing against water pressure over 3 meters high, apply 3 coats.

Workability

About 90 minutes. It is recommended to stir every 15 minutes, to prevent crusting

Packaging

Part A, powder: 25 kg paper bags
Part B, liquid: 10 kg plastic bucket

Cleaning

Clean with water, while the mixture is still wet. Clean dry mixture with acetone.

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Storage

Store the product in its original packaging, in a shaded, dry place, for up to 8 months from its production date.

Warnings

- Do not apply at temperatures below 5°C and over 35 °C.
- In closed spaces without proper ventilation, ascertain that the first coat is dry and only then apply the second coat (you may use a ventilator to accelerate drying).

Warranty

The entire data above is within the scope of recommendations only, which are given according to our best experience and knowledge that is available to us. The producer liability is limited to product quality only, and cannot replace the performer's liability relating to adequate performance of all works. In any case, we recommend to test product compatibility to the desired application prior to its use.

The instructions that appear on the product are based on knowledge and experience amassed over the years. We reserve the right to change these instructions without prior notification. The operator is responsible for keeping informed of the latest updates. These instructions are solely recommendations and do not constitute liability for the product. Prior to use, the user must check the product's suitability, and the application and environmental conditions that meet his specifications. If in doubt, please contact us and we will be happy to instruct you.