

## CONCRETE COSMETIC REPOL BK 05



- > resistant to frost
- > quick setting
- > indoors and outdoors

### Product description

Powdery, tempered, weather- and frost-proof, quick-hardening, hydraulically setting filler compound. Indoors and outdoors for optical correction of flawed, patchy concrete surfaces full of pores to achieve an even, smooth surface.

#### Delivery format:

Container	Outer packaging	Pallet
25 KG / PS		48

#### Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: 365 days

### Processing

#### Recommended tools:

Slow-rotating electric agitator, suitable mixing vessel, trowel, smoothing trowel, spatula.

#### Mixing:

Take a clean mixing vessel and add this product to water using a slow-rotating mixer until a homogeneous and lump-free blend is obtained (mixing time approx. 4 minutes). To which approx. 10 litres of water (corresponds to approx. 0.38 l/kg) is mixed per 25 kg Repol BK 05.

#### Processing:

Apply the fresh filler compound to the still wet substrate (wet on wet). The maximum layer thickness may not exceed 2 mm. Too rapid drying of the fresh filler compound is to be prevented, e.g. through corresponding moistening.

16740, CONCRETE COSMETIC REPOL BK 05, valid from: 08.07.2021, Magdalena Riegler, Page 1

## Technical data

Consumption	approx. 1.4 kg/m <sup>2</sup> per mm of layer thickness
Layer thickness	approx. 2 mm
Bulk density	approx. 1.00 kg/dm <sup>3</sup>
Processing temperature	+5°C to +30°C
Processing time	approx. 15 min
Water consumption	approx. 0.38 l/ kg (= 38 %)

## Test certificates

**Tested in accordance with (standard, classification ...)**  
ÖNORM EN 1504-3:2006 als Systemprodukt

## Substrate

### Suitable substrates:

The substrate meets the requirements of the OVBB Guideline – Conservation and Rehabilitation of Concrete and Reinforced Concrete Structures. Furthermore, the substrate must be load-bearing and free of similar and dissimilar substances as well as substances that have a separating effect, corrosive media, such as chlorides, and must be pre-wetted for at least 12 hours before restoration until capillary saturation. Adhesive tensile strength at least 1.5 N/mm<sup>2</sup>. Compressive strength at least 25 N/mm<sup>2</sup>.

Suitable on all standard mineral substrates, especially on exposed concrete. Not suitable on wood, plastic, metal, water-repellent substrates

## For a perfect system

### Description:

REPOL crack and substrate reinforcement:

- Injection packer IP 10, water stop foam PU 14, injection resin EP 16 / PU 18

REPOL substrate preparation:

- Ferrosave reinforcing protection BS 7, bonding sludge HS 1, bridge insulation EP 70 BI

REPOL concrete repair mortar, concrete and levelling filler:

- Repol restoration mortar SM 20 / SM 40 / LM 20 Light, ready-mixed quick mortar FM 20 H / FM 20 TS
- Repol concrete filler BS 05 G / BS 10 W, levelling filler ES 03 / ES 10, concrete cosmetic BK 05

REPOL surface protection and repair:

- Repol evaporation protection CS 1, epoxy impregnation EP 1, silicon impregnation S 4, concrete colour BF 1

## Product and processing instructions

### Material information:

- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!

**16740, CONCRETE COSMETIC REPOL BK 05, valid from: 08.07.2021, Magdalena Riegler, Page 2**

## Concrete and Screed Technology

- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.
- Already mixed material that is beginning to harden may not be diluted further or mixed with fresh material!

### Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!

### Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.
- For heated screeds, a standard heating procedure is required before laying,
- Do not turn on the underfloor heating system during processing and hardening.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

## Safety instructions

Produktspezifische Informationen hinsichtlich Zusammensetzung, Umgang, Reinigung, entsprechender Maßnahmen und Entsorgung sind dem Sicherheitsdatenblatt zu entnehmen.

### Begrenzung und Überwachung der Exposition

#### Persönliche Schutzausrüstung:

#### Allgemeine Schutz- und Hygienemaßnahmen:

- Von Nahrungsmitteln, Getränken und Futtermitteln fernhalten.
- Beschmutzte, getränkte Kleidung sofort ausziehen.
- Vor den Pausen und bei Arbeitsende Hände waschen.
- Berührung mit den Augen und der Haut vermeiden.

#### Atemschutz:

- Filter P2.
- Bei unzureichender Belüftung Atemschutz.

#### Handschutz:

- Schutzhandschuhe.
- Das Handschuhmaterial muss undurchlässig und beständig gegen das Produkt / den Stoff / die Zubereitung sein.

#### Handschuhmaterial

- Handschuhe aus stabilem Material (z.B. Nitril) verwenden.
- Die Auswahl eines geeigneten Handschuhs ist nicht nur vom Material, sondern auch von weiteren Qualitätsmerkmalen abhängig und von Hersteller zu Hersteller unterschiedlich.

#### Durchdringungszeit des Handschuhmaterials

- Die genaue Durchbruchzeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.

#### Augenschutz: Dichtschließende Schutzbrille.

#### Körperschutz: Arbeitsschutzkleidung.

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