

## CONCRETE AND MORTAR SEALANT DM 40



- > plastifying
- > chloride-free
- > liquid

### Product description

Chloride-free, liquid concrete and mortar additive without introducing air pockets. Increases waterimpermeability

and improves processability while lowering the W/B value and raising the bending and compressive strengths. Reduces the tendency to separate and bleed.

Indoors and outdoors for producing water-impermeable cement mortar, concrete and reinforced concrete structures like silos, water containers, swimming pools, waterproof concrete cellars, foundations and other structures in groundwater area. For all areas of the ready-mixed concrete and finished part industry.

#### Delivery format:

Container	Outer packaging	Pallet
25 KG / KKA		24
5 KG / KKA		96
1 KG / KFL	6	378

#### Storage:

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

### Processing

#### Processing:

The sealant is added to the mixing water in the right dosage. Water is conserved through the liquefying effect. To produce water-impermeable concrete, a complete seal (vibration) is required.

### Technical data

Density

approx. 1.05 g/cm<sup>3</sup>

Consumption

approx. 3 - 4 kg/m<sup>3</sup> concrete/mortar

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Processing temperature	above +5 °C
Dosing	1% of the binding agent
Fresh concrete temperature	+5 °C to +30 °C

## 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>.

## 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!
- 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.

### 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.

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

Please refer to safety data sheet for product-specific information with regard to composition, handling, cleaning, corresponding actions and disposal.

Limiting and monitoring exposure

Personal protective equipment:

General protection and hygiene measures:

- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.

Breathing protection: not required.

Hand protection: protective gloves.

Glove material

- Use gloves made from stable materials (e.g. nitrile).

Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

Eye protection: Protective goggles recommended when decanting.

Body protection: protective clothing.

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Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at [www.murexin.com](http://www.murexin.com).