

## CEMENT WZ 40



- > For indoor and outdoor use
- > Binding agent for concrete, mortar and screed

### Product description

Powdery, hydraulically setting binding agent (52.5 R). Meets the requirements of EN 197-1. For indoor and outdoor use, for mortar production, production of exposed concrete and prefabricated concrete parts.

#### Delivery format

Container	Outer packaging	Pallet
6 KG / KTN	-	84 KTN
2 KG / KTN	4	216 KTN

#### Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 180 days

### Processing

#### Recommended tools

Slow-rotating electric agitator, mixer, suitable mixing vessel, others depending on the area of application.

#### Mixing

Depending on the application, mix the respective additives in a clean mixing vessel with a slow-rotating agitator until a homogeneous and lump-free blend is obtained.

Mixing ratio (in parts by volume):

Masonry: 1 (cement), 2 (lime), 9 (additive)

Plastering: 1 (C), 3 (L), 8 (Add)

Base plaster: 1 (C), - (L), 4 (Add)

Pre-treatment: 1 (C), - (L), 2 (Add)

Fixing, anchoring, grouting: 1 (C), - (L), 1 (Add)

Fine concrete: 1 (C), - (L), 2 (Add)

Normal concrete: 1 (C), - (L), 3 (Add)

Concrete base: 1 (C), - (L), 5 (Add)

The figures are approximate. The water quantity depends on the intended use.

### Processing

Depending on the intended use (masonry, plastering, etc.), the use of an adhesive bridge with Murexin HE 20 Adhesive Emulsion is recommended.

### Technical data

Chemical base	Cement
Bulk density	approx. 1.30 kg/dm <sup>3</sup>
Colour	grey
Consumption	depending on use and application
Certificates/test reports/class achieved	EN 197-1
Processing temperature	The air, material and substrate temperature must be +5 °C during the processing and setting process.

### Substrate

#### Suitable substrates

The substrate must be clean, solid, load-bearing and free from separating agents and adhesion-reducing components. Old coatings are to be removed.

All rust must be removed from steel parts.

Suitable on all standard mineral substrates.

Not suitable on wood, plastic, metal, water-repellent substrates.

### 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.

## Screed and Mortar technology

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:

- Common safety measures for handling chemicals are to be observed.
- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
- Avoid contact with the eyes and skin.

Breathing protection:

- Wear breathing protection in case of inadequate ventilation.
- Filter P2.

Hand protection:

- Protective gloves.
- The glove material must be impermeable and resistant to the product/substance/preparation.

Glove material

- Use gloves made from stable materials (e.g. nitrile).
- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer.

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: tightly sealed protective goggles.

Body protection: protective clothing.

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

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).