

## SCREED CEMENT RAPID ER 70



- > quick setting
- > can be used indoors and outdoors
- > construction time reduction

### Product description

Hydraulic binding agent to produce cementitious screeds. Ready for laying after 7 days. Indoors for producing compound screeds, screeds on composite layers and floating laid screeds as laying substrate for various top coverings.

#### 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:

Standard devices, tools and machines for screed production.

#### Mixing:

approx. 100 l screed sand 0/8 (0/4)  
8 - 12 l water (depending on the natural moisture of the additive)  
25 kg Murexin SCREED CEMENT Rapid ER 70  
Mixing ratio per m<sup>3</sup> of fresh mortar:  
approx. 1 m<sup>3</sup> screed sand 0/8 (0/4)  
80 - 130 l water (depending on the natural moisture of the additive)  
250 - 300 kg SCREED CEMENT Rapid ER 70

#### Processing:

The mixed screed mortar must be applied, stropped and smoothed within the given pot life (approx. 45 minutes). Post-treatment:  
Too rapid drying of the fresh screed surface is to be prevented with corresponding measures. Subsections are to be protected from too high moisture (painting work etc.).

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## Technical data

Ready for laying	after approx. 7 days
Consumption	approx. 2.5 kg/m <sup>2</sup> per cm of layer thickness
can be walked on	after approx. 12 hrs
Bulk density	approx. 1.16 kg/dm <sup>3</sup>
Processing time	approx. 45 min.
Water consumption	approx. 0.3 l/ kg

## 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.
- 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%.
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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

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.

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## Concrete and Screed Technology

- 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.

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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).