



## MIXING OIL XF 4



- > adhesion-boosting
- > air-entraining
- > chloride-free



### Product description

Chloride-free, air-entraining mixing aid for mortar and concretes with high frost/de-icing agent resistance. Increases the bonding to the plaster base and the reinforcement, improves the processability and reduces the danger of shrinkage cracks and spalling due to freezing water. Indoors and outdoors for targeted air entrainment as well as for increasing the stability and resistance to frost and de-icing agent attacks. For mineral screeds as well as all areas of the ready-mixed concrete and finished part industry.

#### Delivery format

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

#### Storage

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

### Processing

#### Processing

The mixing oil is applied in the correct dose into the mixing water pre-diluted or directly in the mixing drum to the water mixed with the product. Overdosing can lead to hardening delays and a reduction of the final strength.

#### Post-treatment:

The usual protective measures are to be observed

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### Technical data

Density	approx. 1.04 g/cm <sup>3</sup>
Viscosity	11 sec (DIN 4)
pH value	10,5
Consumption	approx. 0.05 - 0.3% of the cement weight
Processing temperature	above +5 °C
Fresh concrete temperature	+5 °C to +30 °C
Dosing in concrete	approx. 0.05 - 0.3% of the cement weight
Dosing in mortar	approx. 0.2 - 0.3% of the cement weight

### 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:

- 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.

Breathing protection: Not required with adequate room ventilation.

Hand protection: protective gloves.

Glove material

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: Protective goggles recommended when decanting.

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).