

STEEL FIBRE MFT



Product description

Rolled and crimped steel wire with end anchoring. Increase of tensile, bending, fatigue, early strength and tear strength, reduction of shrink deformation, omission of cleaning layer, construction time reduction by saving the mat laying times, enlarging the joint gap, installation directly from the truck mixer. For structural reinforcement of concrete prefabricated parts, thin-walled components and delicate components. For monolithic industrial floors, carriageway coverings made from concrete, parking and rolling surfaces in airport construction, concrete layer with bond from 60 mm covering thickness, concrete layer without bond from 80 mm layer thickness. Screed and industrial screeds, tunnel interior formworks, spray concrete in civil engineering and tunnel construction, clarifiers and machine foundations, constructions in power plant construction.

Delivery format:

Container	Outer packaging	Pallet
20 KG / KTN		60

Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: unlimited shelf life

Processing

Processing:

Add directly on the construction site into the concrete mixture or in the mixer in the concrete plant.

Technical data

Consumption

approx. 20 - 35 kg/m³ of concrete - depending on static requirements
Length: 34 mm or 50 mm
Cross-section: 1.3 mm
L/D ratio: 50
Profile depth: 1 mm
Number of fibres/kg: approx. 2,200 or approx. 1,500
Material: steel grade $\beta Z > 1000 \text{ N/mm}^2$
Cross section tolerance: 5.0 %
Profile change: $n = 8$
Profile width: 2.2 mm

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/mm². Compressive strength at least 25 N/mm².

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.

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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.