

AUSTRO FIBRE PP 12 MM

- > low weight
- > chemically resistant



Product description

Low weight, excellent adhesion in the concrete matrix, does not resist consolidation during sealing, the Emodule adapts to the setting process of the concrete, no corrosion, chemically resistant to acids and lyes. On concretes, eaves, screeds, garden walls, cellar walls, shotcrete, precast concrete parts. Austrofaser is a polypropylene staple fibre without ripples and is produced according to the quality benchmarks of ISO-NORM 9001 in the melt spinning process. Austrofaser improves all significant properties of concrete and mineral bonded building materials. The fibres are distributed in three dimensions and absolutely evenly in the whole mixture. Austrofaser increases the green strength of the fresh concrete and is therefore indispensable for all types of precast concrete parts. The previously mentioned resistance against sudden loads reduces transport and laying damage and therefore minimises the renovation effort.

Delivery format:

Container	Outer packaging	Pallet
0,75 KG / PS	18	504

Storage:

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

Processing

Processing:

Austrofaser can be processed without any problems in any power mixer. Austrofaser can even be added to the dry mixture as well as immediately after water dosage in the concrete mixer or in fresh concrete. The bag can also be thrown into the mixture, but should be ripped open beforehand. The ideal mixing time in the transporting concrete truck is approx. 1 min/m³ of concrete, in the mixer approx. 40 sec. When using in smaller mixing machines, ensure that this is a power mixer and that the fibre dosing is precisely kept. for monolithic concrete slabs, the following applies:

No stress on the monolith. Concrete slab through additional uneven temperature distribution (solar radiation, underfloor heating system, etc.). Structural separation of the monolithic fibre concrete slabs from

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all other components must be ensured for uniform bedding. The ground characteristic values which flow into the measurement are to be ensured on-site, before introducing the fibre concrete. In any case, a Proctor density of 100% is to be demonstrated for the substrate via load plate testing. No water pressure may occur! Field size max. 7x7 m wb factor of the concrete max. 0.55, ensure careful post-treatment! Austrofaser is absolutely simple and uncomplicated to use. Please contact us if you still have questions.

Technical data

Density	approx. 0.91 kg/cm ³
Colour	white
Consumption	approx. 0.75 kg/m ³ or approx. 0.90 kg/m ³ Material: 100 % polypropylene
	Fibre diameter: 7 dtex (32 µm)
	Fibre length: 12 mm
	Fibre cross section: round
Ultimate elongation	approx. 130 %
Tearing force	approx. 32 cN/dtex
Melting point	approx. 165°C as per DIN 53736
Electrical conductivity	none

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.

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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

- 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: not required.

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.