AUSTRO FIBRE
PP 12 MM

> chemically resistant
> low weight

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 PS

Storage
Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 0 days

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

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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
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/cm²
Colour	white
Consumption	approx. 0.75 kg/m³ or approx. 0.90 kg/m³ 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.

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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 temper
atures 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:
- 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.

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.

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