

# BAU-FIBERS

Polypropylene fibers for reinforcement of concrete and mortars.

## Description

Polypropylene fibers to prevent shrinkage cracks in the plastic phase of coagulation mortars. The technology offers fast BAU-FIBERS dispersion in mortars and concrete.

## Features - Advantages

- Improved behavior of mortars successive freeze-thaw cycles .
- Increase the mechanical strength
- Reduction of water absorption
- Increase resistance to abrasion of floors
- Significant increase workability of concrete
- High resistance to common chemical
- Minimize the likelihood of bleeding
- Ancillary assistance or complete replacement of reinforcement to non- structural elements
- Excellent affinity with cement
- Create three-dimensional reinforcement uniformly distributed throughout the concrete mass

## Examples of applications

- Coatings
- Plasters
- Shotcrete
- Ultrafine cements
- Concrete or cementitious high mechanical strength
- Decorative components
- Concrete pipes
- Precast concrete elements
- Construction inclined
- Repairing mortars etc.

## Specifications

Form: White fibers

Length: 6mm ,12mm

Diameter: 32µm

Consumption: 1 package for 1 m<sup>3</sup> of concrete or mortar

Specific weight: 0,90 gr/cm<sup>3</sup>

Tensile Strength: 400-500 Mpa EN ISO2062

Minimum coat thickness (2-3 coats): ≥ 2 mm

Elongation at break: 27% EN ISO2062

Modulus of elasticity: 9 Gpa

Swelling in liquids: 0%

Melting point: 170oC

Number of fibers: 240 millions /Kg for 6 mm

## Instructions

Add BAU-FIBERS to the blender along and continue stirring for a short time until the complete dispersion of the fibers throughout the mass of the mixture.

## Packaging

Hydro degradable bags of 0,6 Kg

## Storage

In areas protected from frost, the sun and humidity for at least 60 months.

## Notes

Technical details, properties, recommendations and information on BAUER products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

## Other information

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Qualitätsmanagementsystem

Zertifiziert nach DIN EN ISO 9001

