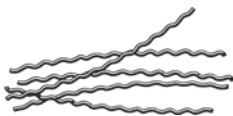


**BAUMEX®**

Macro polymer fibers  
for concrete reinforcement

**PRODUCT DESCRIPTION**

**BAUMEX®** is an innovative, patented synthetic fibres made of the new, immune and tough polymer material. Performing the role of the basic structural reinforcement replacing a traditional mesh reinforcement and is enhancing the structure of concrete. In combination with properties of the synthetic material they are ensuring the unique shape effective and excellent species diversity of fibers in concrete.

**USE**

- For the reinforcement of industrial floors and pavements communication.
- For the reinforcement of prefabricated concrete products:
  - Small garden architecture forms
  - Tunnels
  - Oil tanks
  - Septic tanks
  - Well rings, etc.
- Elimination of traditional mesh reinforcement
- Added to concrete mixture are performing the role armaments minimizing cracking due to the inherent shrinkage of concrete.
- For use in concrete mixtures for spraying concrete, screeds and mortars.
- The addition of polypropylene fibers eliminates the use of expensive and often ineffective antishrinkage steel mesh reinforcement.

**CHARACTERISTICS**

- High tensile strength
- Effective elimination of cracks and fractures
- Increasing the strength parameters of concrete
- The shape of Baumex offer strong mechanical Anchorage in the concrete
- Ductility
- Three dimensional armor
- Eliminate a traditional mesh reinforcement

**DOSAGE**

Baumex polymeric fibers are using at the rate of 1,5 to 3,5 kg per m<sup>3</sup> concrete mix or according to the guidelines specified in the technical sheet of the floor.

**MIXING**

Baumex polymeric fibers are dosing by weight to the aggregate tray. Fibers are added after the last fraction of aggregates before cements and plasticizer.

You can also add BAUMEX polymeric fibers directly into the truck mixer then it should be dispensed gradually 1 bag / 30 sec to the concrete mix.

**MIXING TIME**

The mixing time in the concrete plant can be maintained despite addition of fibers. Before emptying the truck mixer, concrete mix must be further mixed for 1-2 minutes at highest speed.

When fibers are dosing directly into the truck mixer, concrete mix must be further mixed before emptying at highest speed with the principle: one minute of additional mixing for 1m<sup>3</sup> of concrete (e.g. 6m<sup>3</sup> concrete = 6 minutes). The minimum mixing time = 3 minutes.

**ADDITIONAL INFORMATION**

All the information, and in particular, the recommendations relating to the application and end-use of Bautech products, are given in good faith based on Bautech current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Bautech recommendations. All technical data stated in this sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**PACKAGE**

Bags 6 kg

**STORAGE**

In the original, tightly closed packaging in a dry, well-ventilated areas.

**SPECIFICATIONS**

Material	polymeric matrix of high density and strength
Length	39 mm
Diameter	0,78 mm
Shape	single fibers (monofilaments) having a wavy shape
Specific surface	2 350 cm <sup>2</sup> /g
Tensile strength	470 N/mm <sup>2</sup>
Modulus of elasticity	3,6 GPa
Absorbability	0%

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