BAUMIX® 60
Steel fibers for concrete reinforcement

PRODUCT DESCRIPTION
BAUMIX 60 is shaped steel fiber with a length of 60 mm and a diameter of 1.0 mm with hard-drawn low carbon steel wire.

AREAS OF 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

CHARACTERISTICS
- Hooked ends offer strong mechanical anchorage in the concrete
- High slenderness
- High tensile strength
- Effective elimination of cracks and fractures
- Increasing the strength parameters of concrete
- High degree resistance to fatigue
- Quick and easy application
- Concrete slab thickness reduction
- High impact resistance against static and dynamic loading

DO dosage
BAUMIX 60 steel fibers are dosage at the rate of 15 – 40 kg per cubic meter of concrete. The most frequent dosage for industrial floors and pavements applications is 20 kg/m³. When dosage of steel fibers is lower than 20 kg/m³ then BAUCON polypropylene fibers should also be used at the rate of 0,6 kg per cubic meter of concrete.

METHOD OF USE
CONCRETE PLANT
- never add fibers as first component in the mixer
- fibers should be introduced after sand and aggregates, but before cement, water and (super)plasticizer

IN TRUCKMIXER
- adjust slump to a min.12 cm - preferably with (super)plasticizer
- put mixer on maximum drum speed: 12-18 rpm
- after adding the fibers, continue mixing at highest speed for 4-5 min.

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.

PACKAGING
Cartons 25 kg, pallets 40 x 20 kg = 1000 kg

STORAGE
In undamaged original sealed containers, in dry conditions and ventilated rooms.

TECHNICAL DATA
Conforms to EN 14889-1

<table>
<thead>
<tr>
<th>Group</th>
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<tbody>
<tr>
<td>Length</td>
<td>about 60 mm</td>
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<tr>
<td>Diameter</td>
<td>about 1,0 mm</td>
</tr>
<tr>
<td>Shape</td>
<td>formed</td>
</tr>
<tr>
<td>Tensile strenght</td>
<td>min. 900 N/mm²</td>
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<tr>
<td>Modulus of elasticity</td>
<td>min. 190 GPa</td>
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<tr>
<td>Consistency of concrete with 15 kg/m³ fibres</td>
<td>VeBe 8 s</td>
</tr>
<tr>
<td>Effect on concrete strength</td>
<td>15 kg/m³ to obtain 1,5 N/mm² at CMOD=0,5 mm i 1,0 N/mm² at CMOD=3,5 mm</td>
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</tbody>
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