



# HUMIX® 100

## HUMIX® 100 Steel fibres for concrete reinforcement

The **HUMIX® 100** fibres are filaments of cold drawn wires, cut to length with hooked ends, for reinforcement of concrete, mortar and other composite materials.

### FIELDS OF USE:

- Industrial floors
- Outdoor concrete slabs
- Concrete walls
- Prefabricated segments
- Dry mortars

### TECHNICAL DATA:

- Geometry:
  - Length:  $L = 60 \text{ mm}$   
( $\pm 3,00 \text{ mm}$ )
  - Diameter:  $D = 0,75 \text{ mm}$   
( $\pm 0,04 \text{ mm}$ )
  - Aspect ratio:  $L/D = 80$
  - Coatings: none
  - Nominal tensile strength:  $\geq 1000 \text{ N/mm}^2$

### STEEL FIBRE FOR CONCRETE REINFORCEMENT:

- Minimum dosage:  $20 \text{ kg/m}^3$ , ask for exact design

### HUMIX® 100 FIBRE ADDING:

- It is recommended to use it in a central batching plant mixer.
- The bags of the fibre are non degradable and should not be thrown into the concrete, have to be applied properly
- Never add the fibres as first component to the mixer.
- Better to add it with aggregates or freshly mixed concrete.

### HUMIX® 100 FIBRE ADDING INTO TRUCK MIXER:

- Add fibres into the mixer at drum speed 12-16 rpm.
- Add fibres with max. speed of 50 kg / minute
- Have to mix it properly to achieve the best quality
- After adding the fibres continue mixing at the highest speed for 6-8 min.

### STORAGE:

In dry place, in unopened and original package.

### PACKAGING

**HUMIX® 90** is supplied in 20 kg paper bags, 50 bags on a pallet, total net weight of 1000 kg.

