

# FIBERTECH ST 65x60

Steel Fiber Reinforcement For Concrete



## DESCRIPTION

FIBERTECH ST 65x60 is a steel wire for concrete reinforcement that increases concrete strength and prevents cracks when mixed homogeneously into concrete.

## USAGE AREA

- Industrial floor applications
- Airports
- Concrete roads
- Ports
- Concrete pipes
- Tunnels
- Parking floors
- Fuel stations

## TECHNICAL SPECIFICATIONS

Type	Cold drawn- Glueless
Number of wires per kg	3200 tl / kg
Total fiber length per 15 kg	2.9 km / * m3
Tensile strength	Min. 1100 N / mm2 (Mpa)

## SHAPE AND PERFORMANCE



## STANDARTS

- POLIFIBER ST : EN 14889-1

## USAGE ADVANTAGES

- Provides maximum impact resistance.
  - Provides advanced crack control.
  - It increases the load carrying capacity.
  - It saves money and time.
  - Provides lower labor costs.
- It reduces the risk in terms of worker and worker health.

## USAGE AND QUANTITY

General points to be considered;

- Water / cement ratio should be kept at a maximum of 0.45.
- Concrete slump should be at least 12 cm.
- The cement amount in the concrete should be at least 320 kg / m3.
- Concrete compressive strength should be at least 20 N / mm2.
- The problems that can be encountered in the processability of concrete should be solved not by increasing the mixing water, but by adding plasticizer concrete additive.
- Plasticizer additive should be added to the mixture before adding steel fibers.
- Slump can be adjusted with redox additives on the construction site.

## Addition of wires to concrete;

## Mixing in concrete plant;

## Together with the aggregates;

- The fibers are mixed by pouring them on aggregate and sand.
- Cement, water and other additives are added to the mixture.
- It is mixed until a homogeneous mixture is obtained.

## On ready mixed concrete;

- The fibers are added to the ready-mixed concrete in the concrete plant.
- The fibers are mixed until they are well mixed (2-4 minutes).

## Mixer in the transmixer;

- With aggregates;
- Aggregate and fibers are put into the transmixer and mixed.
- Cement, water and other additives are added.
- Mix until a homogeneous mixture is obtained (2-4 minutes).

## On ready mixed concrete in the transmixer;

- Mixer drum starts to be turned with high speed.
- The fibers are mixed into the concrete at a speed of 20-30 kg / minute.
- After adding all the fibers, the mixer is mixed for another 5 minutes.

## Attaching the wires to the concrete with the machine;

- The fibers are added to the ready mixed concrete while the mixer is rotating.
- No additional mixing time is required.

## STORAGE CONDITIONS AND PACKING

- It must be stored in its original packaging.
- Shelf life is indefinite when stored in dry, protected environments.
- It is offered for sale in 20 kg bags and 1000 kg pallets.

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