



# Steel reinforcement fibre crimped

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- Evenly distributed reinforcement
- Less cracking
- Lower transport costs
- Screeds and levelling compounds
- ThermoDyn Granules
- Simple admixture



## General description:

The structural steel fibres can completely replace the classical reinforcing steel or the reinforcing steel mesh in any ground level construction.

This is the best known type of fibre for concrete reinforcement used throughout Europe.

FORM: The surface of the wire must be smooth, without visible cracks, chips or cavities.

## Technical Data:

- Type: Steel reinforcing fibre
- Length: 30 and 50 mm
- Diameter: D 1.05 mm
- Tensile strength Rm: 1100 N/mm<sup>2</sup>
- DIN: EN 14889-1 / 2007
- To prevent cracking
- Recommended dosage: 5 kg/m<sup>3</sup>
- Contents: 200g bag for 25kg bag of cement

## Technical properties:

Gives the concrete a homogeneous mouldability, increases the elasticity of the concrete and as a final effect increases the loading capacity of the concrete elements.

- Reduces the possibility of cracks on the surface;
- Increases the separation strength of the surface;
- Increases the time and impact resistance of the floor;
- Increases the strength of the floors also in case of temperature changes and thermal shock;
- Logistics - delivery is cheaper, due to the smaller amount of steel required;
- Processing - faster and easier reinforcement,
- because the fibres are mixed directly into the concrete.

## Delivery form::

Fibre length-Längen: 30 / 50 mm  
Consumption: 200 g Bag für 25 kg/Bag

## Advantages:

- Cost saving
- Uniformly distributed reinforcement - every cubic centimetre of concrete is reinforced
- Transport - the total weight of the reinforcement material is significantly reduced
- Time - the reinforcement is simply added by mixing the fibres into the concrete
- Improves the physical properties of the concrete:
- controls the plastic contraction of the concrete during curing
- reduces thermal contraction and expansion of the concrete
- reduces cracking
- produces a homogeneous and easy-to-pour concrete with increased elasticity
- increases the load-bearing capacity and impact strength of the floor
- increases the strength of the floors even in the event of temperature fluctuations and thermal shock

## Application:

- Industrial floors
- Tunnel constructions
- Earthquake-proof buildings
- Bridge construction
- Maritime structures
- Loading ramps
- Precast concrete
- Car parks
- Roads
- Runways

## Processing:

The fibres are added to the concrete either in the concrete mixing plant or directly in the concrete mixer.

**Recommendation: 200 g bag for 25 kg bag of cement.**