



# DATASHEET

## Concix<sup>®</sup> SuperFloor



### Product description

Concix SuperFloor is a Macrofiber serving as a structural concrete reinforcement. The surface ensures a good bonding within the concrete, and the fibre bundles guarantee fast three-dimensional distribution throughout the matrix during the mixing process. The enhanced technical parameters of the concrete can be used for structural design purposes.

Concix SuperFloor serves as a structural reinforcement, increases the impact resistance of the concrete, and can also be used in structural applications.

Concix SuperFloor prevents sedimentation – the subsequent settlement of the matrix.

Concix SuperFloor creates a high level of resistance for concrete structures exposed to aggressive water conditions.

### Application

Concix SuperFloor is used in industrial floors and outside standings.

On the basis of Eurocode 2 and the British TR34 „Concrete Industrial Ground Floors“ it is possible to prove the adequate structural strength of slabs and eliminate the steel reinforcement partially or completely.

### Dosage

The recommended approximate dosage for Concix SuperFloor as a structural reinforcement is 2,0 to 6,0 kg/m<sup>3</sup> of concrete.

Concix SuperFloor is available in standard lengths of 50 mm.

## Physical properties

Specification	Macrofibre
Material	Polyolefine
Form	fibres in puks
Bulk density	0,91
Length	50 mm, tolerance +/- 5%
Number of fibers per kilo	≈ 110'000
Color	grey
Resistance to acids/alkalis	inert
Tensile strength	≈ 450 N/mm <sup>2</sup>
Modulus of elasticity	> 7.5 GPa
Softening point	≈ 150° C
Diameter	510 µm

## Processing

The original mixing times of the individual concrete formulations for most products can be retained. Special mixtures for specific products may require an extension of the mixing time.

Concix SuperFloor can also be added directly to mobile concrete mixers. The rule here is: Per m<sup>3</sup> of matrix, 1 minute mixing time at maximum rpm of the mixing drum.

Concix SuperFloor can be easily processed with commonly used additives.

**Caution:** The addition of Concix SuperFloor will increase the rigidity of the concrete!

To optimize the desired placement consistency, use concrete plasticizer!  
Do not add any additional water!

Before discharging fresh concrete on site, let the drum rotate again at maximum revolution for about 2 minutes.

## Packaging

Boxes 15 kg  
Pallets 42 Boxes / Pal. = 630 kg  
Article-No. 775723

Big Bags and other packaging upon request

## Warranty

Concix SuperFloor fulfills the standard EN 14889-2 according to system 1 and therefore guarantees a consistently high quality.

Contec Fiber AG does not have any control over production processes using Concix SuperFloor. Therefore, Contec Fiber AG declines any liability for the associated end products.

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