



# DATASHEET

**Concix**<sup>®</sup>  
SA

CE

## Product description

Concix SA is a bi-component macrofiber serving as a structural concrete reinforcement. The unique rough surface ensures superior bonding within the concrete and the fiber bundles guarantee fast three-dimensional distribution throughout the matrix during the mixing process.

Concix SA serves as a structural reinforcement and increases the impact resistance of the concrete.

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

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

## Application

Concix SA is used in screeds, prefabrication applications, dry shotcrete, for concrete repair works and other special applications.

The length and the diameter are especially an advantage in applications with small dimensions and wall thicknesses.

The excellent flowability guarantees an optimum workability.

## Dosage

The recommended approximate dosage for Concix SA as a structural concrete reinforcement is 2.0 to 10.0 kg/m<sup>3</sup> of concrete

Concix SA is available in standard length of 25 mm.

## Physical properties

Specification	Bi-component macrofiber
Material	Polyolefine
Form	structured fibers in bundles
Bulk density	0,91
Length	25 mm, tolerance +/- 5%
Number of fibers per kilo	≈ 240'000
Color	yellow
Resistance to acids/alkalis	inert
Tensile strength	≥ 620 N/mm <sup>2</sup>
Modulus of elasticity	≥ 10.2 GPa
Softening point	≈ 150° C
Diameter	500 μm +/- 5 %

## 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.

Concrix SA can be easily processed with commonly used additives.

**Caution:** The addition of Concrix SA will increase the rigidity of the concrete! To optimize the desired placement consistency, use concrete plasticizer! Do not add any additional water!

## Packaging

In Puk in boxes of 10 kg  
1 pallet = 90 boxes = 900 kg  
Artikel-Nr.: 775013

## Warranty

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

Contec Fiber AG  
Via Innovativa 21  
CH-7013 Domat/Ems  
Switzerland  
T +41 81 632 61 61  
info@contecfiber.com  
www.contecfiber.com