



# DATASHEET

## Fibrofor<sup>®</sup> Green

### Product description

Green is a greenfilament fiber for improving the characteristics of construction elements made of concrete and mortar. The fiber will ensure uniform and fast three dimensional distribution throughout the matrix.

Green efficiently reduces shrinkage cracking in the early setting phase and in most cases replaces the structural steel inserts in this area.

Green prevents sedimentation – the subsequent settlement of the matrix.

### Application

Green can be used wherever the purpose is to control plastic shrinkage.

Green is employed in the production of floor slabs, prefabricated elements, subfloorings, stucco works, shotcrete and in products made of plaster.

### Dosage

The recommended addition rate for screeds is min. 0.6 kg/m<sup>3</sup> to max. 0.9 kg/m<sup>3</sup>. For concrete structures, the standard addition rate is mind. 0.6 kg/m<sup>3</sup>. For shotcrete and other special applications, individual addition rates are suggested.

Green is available in standard lengths of approx 10 mm.

### Physical properties

Material	natural fiber pellets
Form	multifilament
Bulk density	≈ 200 kg/m <sup>3</sup>
Lengths	10 mm
Tensile strength	NDA
Diameter	≈ 20 - 250 μm

## Processing

The addition of Green for dry mixing in concrete production facilities does not require any extension of the mixing time. The selected mixing times of the individual concrete formulations can be retained. Special mixtures for special products may require an extension of the mixing time.

Green 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.

Its addition in screed mixers (pump) does not pose any problem, either. The mixing times may rise slightly, but as a rule, Green fibres will be optimally distributed with normal mixing times.

## Packaging

Bags	300 g
Boxes	48 bags of 300 g = 14.4 kg
Pallets	36 boxes = 518.4 kg

## Warranty

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