



# VERSTAERKUNG FIBER

The quality difference

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## THE POLYPROPYLENE FIBER FOR A CONCRETE WITHOUT CRACKS

- The high tenacity fiber, easy to use
- Good dispersion
- Cheaper than steel meshes
- Permanently demonstrable
- With test certificates



## SPECIFICATION OF VERSTAERKUNG FIBER

<b>RAW MATERIAL:</b>	100% pure polypropylene
<b>SPECIFIC GRAVITY:</b>	0,915
<b>TENSILE STRENGTH:</b>	40-100 (.28-.77 kN/mm <sup>2</sup> )
<b>MODULUS (Youngs):</b>	0,3-0,5 (2.1-3.5 kN/mm <sup>2</sup> )
<b>MELTING TEMP.:</b>	160°C - 170°C
<b>IGNITION TEMP.:</b>	> 320°C
<b>WATER ABSORPTION:</b>	none
<b>LENGTH:</b>	from 6 to 50 mm (standard-lengths)
<b>PACKING:</b>	from 100 gr to 18 kg

## DIRECTIONS FOR USING VERSTAERKUNG FIBER

**DOSAGE:** for screeds: 0,75 - 1 kg/m<sup>3</sup>  
For other applications the dosage varies between 0,5 and 1,5 kg/m<sup>3</sup>, according to final use, diameter of the inert materials and length of fiber.

**MIXING PROCESS:** Fibers can be mixed in the concrete factory or at the jobsite. Verstaerkung Fiber doesn't need any more mixing-time and doesn't create balls. It is advisable to add the fibers before the addition of the mixing water. Do not add further water if not allowed from the engineer. To facilitate the workability we suggest to add, if necessary, a super-fluidifying mean, which improves, besides, the water/cement ratio.

Possible fibers on the surface can be easily eliminated through a light and fast burning, or they can be left and used as anchorage for the covering.

## MAIN ADVANTAGES:

- Better resistance to abrasion and impact
- Better tensile flexural strength
- Reduced weight and easy workability
- Excellent finishing of the surface and strong reduction of cracking
- No chemical reaction
- Ideal for any kind of concrete mixture
- Alkali resistant

## MAIN APPLICATIONS

- Cement screeds
- Light concrete
- Concrete pieces

Verstaerkung Fiber can be used for different applications: thanks to the different available lengths and dosages are achievable different levels of results in different sectors of application. Please ask to the producer!

**Attention:** All data reported can only be considered as general indications. In case of different conditions of work and materials we suggest doing proper tests. A guarantee can be given only for the quality of our product.

Our products are covered by a third party liability insurance

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