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Concrix[®] M507



Product description

Concrix M507 is a monofilament Macrofiber serving as a structural concrete reinforcement. The rough fiber surface ensures superior bonding within the concrete, and the fiber 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.

Concrix M507 serves as a structural reinforcement, increases the impact resistance of the concrete and can also be used in structural applications.

Concrix M507 prevents sedimentation – the subsequent settlement of the matrix.

Concrix M507 creates a high level of resistance for concrete structures exposed to aggressive water conditions.

Application

Concrix M507 is used in tunnelling (shotcrete), industrial floors and outside standings.

On the basis of Eurocode 2 and the Fibre Concrete Guidelines it is possible to prove the adequate structural strength of industrial floors and outside standings to eliminate the steel reinforcement partially or completely (Concrix M507).

Dosage

The recommended approximate dosage for Concrix M507 as a structural reinforcement is 2.0 to 7.5 kg/m³ of concrete.

Concrix M507 is available in standard lengths of 50 mm.

Physical properties

Specification	Monofi I Macrofiber
Material	Polyolefine
Form	structured fibers in bundles
Bulk density	0,91
Length	50 mm, tolerance +/- 5%
Color	white
Resistance to acids/alkalis	inert
Pull / tear resistance	5,0 cN/dtex, 450 N/mm ²
Modulus of elasticity	> 6 GPa
Softening point	≈ 150° C
Diameter	750 μm
Scope	2355 μm

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11/2020

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 M507 can be easily processed with commonly used additives.

Caution: The addition of Concix M507 will increase the rigidity of the concrete! To optimize the desired placement consistency, use concrete plasticizer! Do not add any additional water!

Packaging

Boxes 10 kg
Pallets 90 boxes / Pal.= 900 kg

Big Bags and other packaging upon request

ZárukaWarranty

Concix M507 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 M507. 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

