



DATASHEET

Concristix[®] M507



Product description

Concristix M507 is a monofilament Macrofibre serving as a structural concrete reinforcement. The rough fibre surface ensures superior bonding within the concrete, and the fibre puks 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.

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

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

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

Application

Concristix 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 (Concristix M507).

Dosage

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

Concristix M507 is available in standard lengths of 50 mm.

Physical properties

Specification	Monofi I Macrofibre
Material	Polyolefine
Form	structured fibres in puks
Bulk density	0,91
Length	50 mm, tolerance +/- 5%
Color	grey
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

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 M507 can be easily processed with commonly used additives.

Caution: The addition of Concrix 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

Concrix 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 Concrix M507. Therefore, Contec Fiber AG declines any liability for the associated end products.