



CHRYSO® Fibre S50

Synthetic macro-fiber for concrete reinforcement

Description

CHRYSO® Fibre S50 is a synthetic fiber, made with a mix of two high tensile strength raw materials.

CHRYSO® Fibre S50 improves the following characteristics of concrete:
ductility after shrinkage,
resistance to impact,
resistance to shrinkage and bleeding.

CHRYSO® Fibre S50 has a huge boundary, which comes from its capacity of fibrillation at each end, during mixing.

CHRYSO® Fibre S50 reduces production costs (precast) and placing time of mesh (slabs).

CHRYSO® Fibre S50 spreads evenly in concrete, thus creating a multidirectional network of reinforcement, without risk of corrosion.

Characteristics

- Mix of polypropylene and polyethylene
- Colour: white
- Density: 0,92 (920 kg/m³)
- Length: 50 mm
- Tensile strength: 600 MPa
- Young modulus: 5 GPa
- Chemical resistance (alkali,...): high
- Melting point: 160° C
- Flash point: 590 ° C

Packaging

- Dosing bags of 1 kg
- Pallets of 25 cartons of 15 kg

Application

Domains of application

CHRYSO® Fibre S50 can replace, in most cases, mesh or metallic fibers:

- Precast
- Manholes
- Slabs
- Shotcrete
- Septic tanks
- Pipes

Method of use

CHRYSO® Fibre S50 can be incorporated into concrete with a dosage from 1 to 8 kg/m³. It depends on the type of concrete and the dosage recommended par **CHRYSO**.

Mixer:

CHRYSO® Fibre S50 can be incorporated with aggregates. A time of dry mixing (30 seconds) is necessary.

Truck:

CHRYSO® Fibre S50 can be incorporated in concrete, with a mixing time of 10 minutes approximately.

CHRYSO® Fibre S50 can create a loss of workability. Using of superplasticizer or plasticizer can reduce this effect. Consult **CHRYSO**.

CHRYSO® Fibre S50 is compatible with every **CHRYSO®** concrete admixtures.



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Safety

CHRYSO® Fibre S50 is a product classified as "harmless". It is recommended to wear the normal protective equipment.

For further information, please refer to the safety data sheet on our internet site www.chryso.com.

The information contained in this document is given to the best of our knowledge and the results from extensive testing. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Our specialists are at the disposal of the users in order to help them with any problem encountered.

"Please enquire for the latest update"

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