



CHRYSO® Fibre S25

Synthetic macro-fiber for concrete reinforcement



Description

CHRYSO® Fibre S25 is a synthetic fiber, made with a mix of two raw materials. These raw materials have high tensile strength.

CHRYSO® Fibre S25 improves characteristics of concrete :

- ductility after shrinkage
- impact resistance
- shrinkage and bleeding resistance

CHRYSO® Fibre S25 has a huge boundary, which comes from its capacity of fibrillation at each end, during mixing.

CHRYSO® Fibre S25 is an alternative to welded wire fabric (costs and laying down time savings).

CHRYSO® Fibre S25 spreads evenly in concrete, thus creating a multidirectional network of reinforcement. An advantage is that it prevents any risk of corrosion, compared to metallic fibres.

Characteristics

- ◆ Mix of polypropylene and polyethylene
- ◆ Color: white
- ◆ Density: 0,92 (920 Kg/m³)
- ◆ Length: 27 mm
- ◆ Melting point: 160 °C
- ◆ Flash point: 590 °C
- ◆ Tensile strength: 600 MPa
- ◆ Young modulus: 5 GPa
- ◆ Chemical resistance (alcalins,...): high

Packaging

Sack of 1 Kg
Pallet of 25 boxes of 10 kgs

Applications

Using application

CHRYSO® Fibre S25 can replace, in several cases, mesh or metallic fibers :

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

Directions for use

CHRYSO® Fibre S25 can be blend into concrete with a dosage from 1 to 8 Kg/m³. It depends on type of concrete, cement, mix design,...

Mixer :

CHRYSO® Fibre S25 can be blend with aggregates. A time of dry mixing (30 seconds) is recommended.

Truck :

CHRYSO® Fibre S25 can be blend into concrete, with a mixing time of 10 minutes.

CHRYSO® Fibre S25 can create a loss of workability (with the highest dosages). Using of superplasticizer or plasticizer can reduce this effect. Consult **CHRYSO**.

CHRYSO® Fibre S25 can be mixed with every **CHRYSO®** concrete admixtures.

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SAFETY

CHRYSO® Fibre S25 is a product classified as "harmless". It is recommended to wear normal protective equipment.

Before use, 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, under any circumstances 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..

Last update: 02/12