

# Technical data sheet

## CHRYSO<sup>®</sup> Crackstop F

### Fibrillated Polypropylene Fibres

#### Description

CHRYSO<sup>®</sup> Crackstop F range of fibrillated polypropylene fibres, reduce the occurrence of plastic shrinkage cracking and plastic settlement, whilst enhancing the surface properties and the durability of the hardened cementitious product.

- CHRYSO<sup>®</sup> Crackstop F is cut to lengths of 3, 6, 12 or 18 mm and have a nominal thickness of 50 microns.
- CHRYSO<sup>®</sup> Crackstop F is coated with surfactant to improve dispersion and bond.

#### Standards

CHRYSO<sup>®</sup> Crackstop F conforms to EN 14889-2:2006

#### Advantages

Special surfactant coatings enable excellent dispersion of individual filaments, allowing the formation of homogeneous three-dimensional

matrix within the concrete mix. The inclusion of ADFIL Construction fibres provides significant technical benefits in both the plastic and hardened state of concrete.

- Reduced plastic shrinkage cracking.
- Alternative to crack control mesh.
- Reduced plastic settlement cracking.
- Increased abrasion properties.
- Reduced bleeding.
- Increased impact resistance.

#### Application guidelines

##### Use

- Mortar/render.
- Shotcrete/gunite.

#### Physical and chemical properties

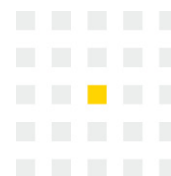
- Fibre type: Fibrillated tape
- Length: 18mm
- Equivalent Diameter 0.78mm
- Aspect ratio: 23.1
- Tensile strength: 163mPa
- Absorption: nil
- Specific gravity: 0.905

- Precast concrete.
- Repair materials.
- Screeds.

#### Directions

##### Dispensing/mixing

- CHRYSO<sup>®</sup> Crackstop F should ideally be added at the batching plant.
- CHRYSO<sup>®</sup> Crackstop F should be the first constituent, along with half the mixing water.
- After all ingredients have been added, including remaining mixing water, the concrete should be mixed for a minimum of 70 revolutions at full speed to ensure uniform fibre dispersion.
- In the case of site mixing, a minimum of 70 drum revolutions at full speed should take place.



## Technical data sheet

# CHRYSO<sup>®</sup> Crackstop F

## Fibrillated Polypropylene Fibres

### Storage

- CHRYSO<sup>®</sup> Crackstop F must be stored on a clean surface, in dry conditions, under cover and away from the possibility of damage.

### Packaging

- 1kg water-dispersible

### Health and safety

- For more information, please refer to the material safety data sheet.

Disclaimer: The information contained in this document is given to the best of CHRYSO's knowledge and is the result of extensive testing. However, this document will not under any circumstances be considered as a warranty involving CHRYSO's 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. CHRYSO specialists are at the disposal of the users in order to help them with any problems encountered.