



# Fibrasol 2F19

Polypropylene fibrillated fibre for making screeds and slabs in mortar or concrete

**Fibrasol 2F19** is a polypropylene fibrillated fibre with an easy distribution in the concrete thanks to a special coating and its studied shape.

**Fibrasol 2F19** contributes to prevent cracks in the concrete or mortar at very young age (less than 24 hours).

It also enables to improve the concrete impact resistance.

## CHARACTERISTIC VALUES

- Transparent fibres
- Length: 19.3 mm  $\pm$  1 mm
- Section: 45 x 550  $\mu\text{m}^2$
- Melting temperature:  $\approx$  160° C
- Resistance to alkaline and acid environments: excellent
- Resistance to traction: >300 MPa
- Polypropylene nature: 100 %
- Density: 910 kg/m<sup>3</sup>

## FIBRASOL 2F19 ADVANTAGES IN CONCRETE AND MORTAR

The increased traction resistance with **Fibrasol 2F19** is enough to resist tension constraints caused by a primary shrinkage so that it prevents the adverse development of larger cracks.

## Consequently, **Fibrasol 2F19**

provides the following advantages:

- reduces the growth of cracks,
- reduces bleeding,
- reduces concrete water permeability,
- improves durability during the frost/melting cycle,
- improves resistances to abrasion and shocks,
- improves concrete fire endurance,
- reduces long term maintenance costs,
- neutralizes bubbling during surface finishing,
- improves the finish on a general basis, may replace anti-shrinkage reinforcement for some screeds.

**FIBRASOL 2F19 PREVENTS SUPERFICIAL CRACKS.**

## **DIRECTIONS FOR USE**

**Fibrasol 2F19** can be directly added in the mixer or the transit mix vehicle. For a good distribution, if fibres are added in the transit mix vehicle, the mixing must be done at maximum speed and must last at least 5 minutes.

## **DOSAGE**

It is recommended to introduce 900g/m<sup>3</sup> of **Fibrasol 2F19** in the concrete to avoid young age cracking. If the desired effect is the improvement of resistance to shocks and flexion, it is recommended to add 2 to 5 kg/m<sup>3</sup> fibres.

## **PRECAUTIONS FOR USE**

Due to the increased specific surface of the mix, it is recommended, in order to keep a good workability, to use a water-reducing plasticizer of the CIMPLAST range or a superplasticizer of the CIMFLUID range.

The use of a curing product is recommended, namely AXIM curing product, CIMCURE PRO.

## **LIMITS OF USE**

Never use **Fibrasol 2F19**:

- as a primary reinforcement replacing a steel reinforcement,
- to avoid cracking due to a bad sizing of the structures,
- increase resistance to compression or in flexion,
- to totally eliminate seals.

## **PACKAGING**

- Doses of 900 g (boxes of 12 doses).

**NB: Doses are packed in water-decomposable bags.**

*The material technical and safety data sheets can be consulted on our internet site :  
<http://www.axim.fr>*