



# Fibrasol 2P12

Polypropylene fibre for making screeds and slabs in mortar or concrete

**Fibrasol 2P12** is a fibre of extruded polypropylene differing from other polypropylene fibres that are produced as sheets and then cut as fibre sets.

This means an improved finish and a more uniform distribution in the concrete or mortar mass compared to results reached with traditional polypropylene fibres.

## CHARACTERISTIC VALUES

- Transparent fibres
- Length : 12 mm +/- 1 mm
- Diameter : 31µm
- Melting temperature:  
≈ 160° C
- Resistance to base environments : excellent
- Resistance to traction :  
> 300 MPa
- Polypropylene nature : 100 %

## FIBRASOL 2P12 ADVANTAGES IN CONCRETE AND MORTAR

The increased traction resistance with **Fibrasol 2P12** is enough to resist tension constraints caused by a primary shrinkage so that it prevents the adverse development of larger cracks.

Consequently, **Fibrasol 2P12** provides the following advantages :

- reduces the growth of cracks,
- reduces bleeding and 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 2P12 PREVENTS SUPERFICIAL CRACKS.**

### **DIRECTIONS FOR USE**

**Fibrasol 2P12** can be directly added in the mixer or the transit mix vehicle. For a good distribution, the mixing should last 4 to 5 minutes.

### **DOSAGE**

See specifications.

### **PRECAUTION OF USE**

**Fibrasol 2P12** increases concrete cohesion.

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

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

### **LIMITS OF USE**

Never use **Fibrasol 2P** :

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

### **PACKAGING**

- Doses of 105 g (boxes of 100 doses)
- Doses of 600 g (boxes of 25 doses)
- Doses of 900 g (boxes of 20 doses)
- Box of 200 kg.

**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>*