



## CC PPP12

### Synthetic Fibers Additive for Concrete and Cement Plaster

#### DESCRIPTION

CC PPP12 is a high-performance microfilaments propylene fiber designed and formulated specially for the use in mortar and concrete. It is available in length 12 mm. It is used to inhibit the occurrence of small cracks which can occur through plastic shrinkage, premature drying, and early thermal volume changes of the hardened cementitious materials. Due to their specific characteristics and ease of dispersion in concrete, they can be mixed at any stage in the concrete regardless of the consistency of concrete. They are extremely resistant to alkali. In addition, they adhere chemically to the matrix of the cement which highly contribute to the reinforcement and durability of the concrete and mortar. The hydration of the cement as well as mixing water requirement of concrete and mortar are not affected by the use of CC PPP12 fibers.

#### APPLICATIONS

CC PPP12 is used mainly:

- Industrial flooring
- Precast
- Gunned concrete and mortar
- Tanks, silo
- Rendering

#### PACKAGING

Available in 0.9 kg bag 25 kg bag. Fiber is available in polyethylene bags.

#### METHOD OF USE

CC PPP6 fibers could be introduced in dry or wet mixing. Since they have the advantage of mixing in concrete or mortar in all phases. They could be even introduced in truck mixers, in which case 5 min. of mixing would be required.

Since they are completely integrated in the structure of the concrete and mortar they constitute a secondary reinforcement which improves the general material characteristics:

- Mechanical strength
- Abrasion resistance
- Impact resistance
- Concrete durability

#### TECHNICAL PROPERTIES

Appearance: white fiber  
 Specific gravity:  $0.9 \pm 0.015$   
 length : 12 mm



#### STORAGE

Should be stored in dry conditions for up to 3 years.

#### DOSAGE RATES

0.9 kg/m<sup>3</sup>. Excessive overdosing will generally produce a reduction in workability, and an increase in the cohesiveness of the mixture.

#### CAUTIONS HEALTH AND SAFETY

CC PPP12 is not classified as hazardous material.

#### DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.