

CC PPP12

Synthetic Fibers Additive to Concrete and 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.

SCOPE OF USE

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

CHARACTERISTICS

Appearance	White
Specific Gravity	0.91
Alkali Content	Nil
Sulphate Content	Nil
Air Entrainment	Air content of the concrete will not be significantly increased
Chloride Content	Nil

ADVANTAGES

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

INSTRUCTIONS FOR USE

CC PPP12 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.

DOSAGE RATES

0.9 kg/m³. Excessive overdosing will generally produce a reduction in workability, and an increase in the cohesiveness of the mixture.

PACKAGING

Available in 0.9 kg bag 25 kg bag and Jumbo bag. Fiber mesh is available in watersoluble paper bags and polyethylene bags.

STORAGE

Should be stored in dry conditions up to 3 years.