



Perma Plast CN



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CORROSION INHIBITING ADMIXTURE FOR REINFORCED CEMENT CONCRETE

DESCRIPTION

Perma Plast – CN is a corrosion inhibiting admixture for reinforced cement concrete which protects the reinforcing steel in the concrete from corrosion. Porous concrete allows ingress of water and moisture in the RCC structures, which starts corroding the reinforcing steel thereby reducing the life of concrete member and the structure itself. An addition of Perma Plast CN in the concrete at the recommended dosage during construction itself ensures corrosion free reinforcing steel with its long life.

ADVANTAGES

Perma Plast CN is a liquid which easily mixes with water hence can be dosed along with water. Perma Plast CN is compatible with all types of cements and with other admixtures. It is a VOC free product and hence safe for the environment. It is free from chlorides and sulphates and is non hazardous. It increases the life of the structure by protecting the steel. Perma Plast CN does not affect the plastic properties of the concrete.

ACTION

When added to the concrete in the RCC structure the nitrite ions in the Perma Plast CN react with the ferrous oxide ions and form more stable ferric oxide layer around the steel which protects the steel from the chloride attacks, it also establishes a corrosion inhibiting concrete barrier around the reinforcement.

TYPICAL APPLICATIONS

Perma Plast CN is used in all steel reinforced concrete, pre-stressed and post tensioned concrete. It is also used in concreting of areas such as floor slabs, parking areas, garages, bridge decks and marine structures. Use of this admixture in pre-cast elements such as manhole covers, grills, drainage covers etc ensures corrosion free long life of these elements.

PROPERTIES

Form Light straw colored liquid
Specific Gravity : 1.16 to 1.18
Solid Content : 30 %
PH value : 7 to 9
Chloride content : Nil

DOSAGE

Perma Plast CN should be used at a dosage of 7.5 to 22.5 Litres per cubic meter of concrete as per the corrosion inhibiting concrete mix specification documents and general practice. Perma Plast CN should be added to the mixing water for best results. Perma Plast CN should not be premixed with other admixtures. However other admixtures can be dosed separately after the addition of water with Perma Plast CN.



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HIGH RANGE HYPER PLASTICISING ADMIXTURE BASED ON POLYCARBOXYLIC ETHER

SHELF LIFE

Perma Plast CN can be stored for a period of 12 months sealed drums as per standard storage specifications.

PACKING

PERMA Plast CN is available in 120 Kg & 250 Kg drums.

The Buyer of the product is responsible for determining the suitability of PERMA products for the Buyer's intended purposes. The product must be installed according to PERMA authorised installation information or instructions in its product literature or on its packaging labels. PERMA shall not be held responsible for defects which arise as a result of poor workmanship, or interference of the product by the use of other incompatible materials installed.

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