PERMA PLAST - NF

SUPERIOR QUALITY NAPHTHALENE BASED SUPER PLASTICIZER CUM WATER REDUCING AGENT

SPECIFICATION

ASTM C494 : Type A, C, E & F
BS 5075 : Part 3
IS : 9103

DESCRIPTION

Perma Plast-NF is a superior quality super plasticizer cum water reducer based on high molecular weight sulphonated Naphthalene formaldehyde condensate.

PRIMARY USES

1) To increase the workability in concrete used in casting pre-cast units, cement tiles.
2) To bring about cement economies and in areas of congested reinforcement where high workability is desired.
3) For hot weather concreting.
4) For early de-moulding in pre-stressed concrete.
5) Perma Plast-NF is recommended where high initial and ultimate compressive strength is required.
6) Wastage due to breaking in pre-cast elements is minimised.

ADVANTAGE

1) Perma Plast-NF is highly useful in pre-cast units and in tile factories and where high early strength is demanded.
2) Perma Plast-NF is very easy to dose. The dosing quantity of the material can be added to the concrete or mortar mix at any stage of mixing.

DIRECTIONS FOR USE

Perma Plast-NF should be added to the concrete/ mortar/ cement paste mix during the mixing cycle at the same time as the water is added. Avoid adding Perma Plast-NF directly to the dry cement.

ACTION

Perma Plast-NF is a powerful plasticiser which disperses and deflocculates the cement particles within cement concrete/ mortar or in paste. It is used in increasing the workability of mix with out addition of excess water or to allow reduction in free water content of the mix to achieve superior strength without in any way affecting the colour of the mix or the end product.

DOSAGE

Field trials should be conducted to determine the optimum dosage of Perma Plast-NF for each application. However a dosage range of 300 gms to 750 gms per 50 kg bag of cement can be recommended as an initial starting point for field trials.

PROPERTIES

Typical properties of Perma Plast-NF are as follows:
Form : Dark Brown/black coloured liquid
Specific Gravity : 1.20 ± 0.01 @25°C
Ph : 7.5
Air Entrainment : Nil
Chloride content : Nil
Nitrate : Nil
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PACKING
Perma Plast-NF is supplied in 30 Kg, 120 Kg and 240 Kg HDPE drums.

QUALITY ASSURANCE
Should you find the behaviour of the product different from the normal feel or the claims with the literature, stop the use of the product, cordon off all such product and inform Perma with a complaint letter stating the problem, batch number etc. If the product is used in spite of observed variance the responsibility shall be with the user.

SHELF LIFE
Perma Plast-NF has a shelf life of twelve months if stored in manufacturer’s original packing in a cool and dry place away from moisture and heat.

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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