BettoPlast 64

bettonlanka
Constructing the future

Data Sheet

Concrete Admixture

Water Reducing Plasticizer/Retarder for Concrete.

PRODUCT DESCRIPTION

Bettoplast-64 is a liquid concrete admixture with a plasticizing effect for Tropical conditions. used as a powerful concrete plasticizer and retarder where Substantial water reduction can be achieved without loss of workability.
For high quality concrete.

STANDARDS

Complies with ASTM C 494 Type B & D.

ADVANTAGES

Bettoplast-64 provide the following properties to concrete products.

- Increased setting times at elevated temperatures.
- Control of slump loss.
- Improved workability without Extra water content.
- Reduced water without loss of workability.
- Reduced shrinkage and creep.
- Improved surface finish.

APPLICATION

Bettoplast-64 is recommended for the following

- Prestressed concrete.
- Precast concrete.
- Reinforced concrete.
- Shot concreted.
- Lightweight concrete.
- Pumped concrete.

DOSAGES

Recommended dosage between 0.3 and 0.7% (by weight of cementation materials.

It is advisable to conduct trial mixes to get the optimum performance and dosage according to site condition and material properties.

PROPERTIES

Structure of the Material	**Lignosulphonate Base**
Colour and form	**Brown liquid**
Density Kg/L	**1.2 +/-0.05**
Chloride content%	**<0.1**
PH	**7 -8**
Obtained at 20^0C	

COMPATIBILITY

Betoplast-64 should not be used in conjunction with any other admixture unless prior approval is obtained from Betton Lanka office.
Bettoplast-64 is suitable for use with all types of Portland cements, OPC, SRC cements and cement replacement materials such as PFA, GGBFS and micro-silica.

OVERDOSING EFFECTES

THE OVERDOSING EFFECTS DEPEND ON THE DEGREE OF OVERDOSE.

OVERDOSING RESULTS IN:-

INCREASE THE LEVEL OF WORKABILITY, THE

SETTING TIME DELAY MY OCCUR, ESPECIALLY IN LOW TEMPERATURES/OR WITH SULPHATE RESISTANCE CEMENT OR CEMENT REPLACEMENT MATERIALS.

DURING THIS PERIOD THE CONCRETE MUST BE KEPT MOIST IN ORDER TO PREVENT PREMATURE DRYING OUT.

DISPENSING

Bettoplast-64 can be added to the mixing water prior to its addition to the aggregates or directly to the freshly mixed concrete.

For Ready-mix concrete Bettoplast-64 is added to the concrete mix immediately prior to discharge and then further mixed for two minutes or up to get homogenous mix before discharging into the delivery trucks.

CONCRETE PLACING

To follow the relevant standard concrete practice for production and placing.

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MECHANISM OF ADMIXTURE

Admixture generally react with binder when its added to the concrete its adsorbed by the binder particles then the binder particles push each other by electrostatic force according to that the desired workability is obtained by less amount of water consequently strength increase in addition to facilitate concrete handling by prolonged time of workability.

STORAGE

Store in a dry shaded area and at temperatures between 5ºC and 35ºC. Protect from direct sunlight and frost.

If frozen, gradually thaw and agitate until completely homogenized. Prolonged storage longer than 6 months at temperatures > 35°C may result in premature deterioration of the product or packaging.

PACKAGING

20 L can

200 L drum

1000 L tank

SHELF LIFE

12 months after the production date under Appropriate storing conditions. unopened packaging .

HEALTH AND SAFTY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

NOTE

The information and recommendation given here is based on our best knowledge and laboratory work as well as field experience.

However, betonlanka is only responsible about the product quality ,and we cannot be hold responsible from the results caused by use the product not in accordance with our recommendation to use the product and/or faulty applications.

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