

brix plast super 240

MELAMINE BASED COLOURLESS CONCRETE PLASTICISER

SPECIFICATION TYPE

ASTM C494 Types D 8 G BS 5075

Retarding / Super Plasticier, BIS : 9103-1979

DESCRIPTION

Brix plast 240 is a high range high performance Super Plasticier and Retarder based on sulphonated melamine condensate. It significantly reduces water content in concrete mixes and extends setting times to desired extent. Compared to conventional super plasticisers it possesses the ability to produce rheoplastic concrete at low water cement ratios and retain workability for extended periods even in high ambient temperatures. Due to these combined effects Brix plast 240 is highly effective over a wide range of temperature, cement contents and water cement ratio.

PRIMARY USES

To produce free flowing self-compacting concrete.

High cement content and low w/c ratio concrete.

To increase workability.

To produce high strength.

Hot weather concreting.

TYPICAL APPLICATION

Brix plast 240 is used in areas of congested reinforcement where free flowing self-compacting concrete is desired.

In concrete mixed containing pozzolonic materials and Sulphate resisting cements and cements containing fumed silica, fly ash etc.

Concreting of Bridge girders, prestressed concrete members where high compressive strengths coupled with high workability is of paramount importance.

Hot weather concreting where set retardation and avoidance of cold joints is essential.

Under water concreting and diaphragm walls, Piling mixes. Fair faced concrete.

Industrial floors, roofs and floors toppings.

ADVANTAGES

Highly effective over wide range of cement contents and water cement ratios.

Increases durability and impermeability.

Enable production of free flowing self-compacting concrete.

Reduces problems in hot weather concreting because of extended setting times.

Long Vibration time - maintains workability over long periods.

PROPERTIES

- Colour : Light brown / clear
- Sp. Gravity : 1.2 + 0.02 at 200C
- Air Entrainment : NIL

- Chloride Content : NIL
- Nitrate Content : NIL
- Freezing Point : Can withstand any number of freezing thawing cycle.
Can be reconstituted if stirred after leaving to thaw.
- PH value : 7
- Flash Point : NIL

STORAGE

One year if stored in accordance with manufacturer's instruction.

DOSAGE

Field trial should be conducted to determine optimum dosage rates of Brix plast 240 to achieve the desired results. The following figures should be be utilised as starting point for trials.

EFFECT OF OVER DOSAGE

A severe over dosage of Brix plast 240 in concrete mix results in the following :

- Increase in workability
- Increase in retardation.

SETTING TIME

Brix plast 240 acts effectively to give desired set retardation. Set retardation of concrete mixes are related to ambient temperatures and type of cement.

The graph below shows retardation obtained with Brix plast 240 over any control concrete.

PACKING

20lt, 200lt drums.

SHELF LIFE

12 months if stored in manufacturer's sealed packs in a cool and dry place away from moisture and heat.

QUALITY ASSURANCE

brix products are manufactured under strict quality control measures as per manufacturing specifications. If the behavior of the product is varying from the claims in the data sheets stop the use of the product and contact the nearest **brix** representative.