



BELPLAST 116

(WATER REDUCING AND RETARDING PLASTICIZER)

DESCRIPTION:-

The BELPLAST 116 is based on blend of specially formulated organic polymers, including Sulphonated Naphthalene and lingo sulphonate polymers used to enhance the plasticity or fluidity of the concrete.

BELPLAST 116 is suitable for making concrete elements at all workability's with fluid consistence, no segregation, a low water binder ratio and consequently high early & long term strengths.

BELPLAST 116 is a powerful dispersant capable of higher water reduction, more workability and longer retention of slump in concrete mix from M 20 to M 40 Grades.

TYPICAL PROPERTIES:-

- | | |
|---------------------|-------------------------------|
| 1. Colour | : Dark Brown Liquid |
| 2. Specific Gravity | : 1.18 ± 0.05 |
| 3. pH | : 7.0 ± 0.5 |
| 3. Chloride Content | : Nil (BS: 5075 to IS-456-78) |

SUITABLE To -

- Ready Mix Concrete
- Pumping & Precast Concrete
- Highly slump, flowable Concrete

STANDARDS:-

Complies with ASTM C-494 type 'A' & 'G' and IS: 9103: 1999 (8).

ECONOMIC ADVANTAGE:-

- Concrete of similar workability can be produced with 10% less water.
- Chloride free: Safe in pre stressed concrete production.
- High early strength gains can significantly increase mould utilization in precast works.

**DOSAGES:-**

The actual amount required to achieve a particular result will vary with the type of cement, the size, shape and grading of aggregate and the total mix design, the dosages range varies from 0.7% -2.0% by weight of cementitious materials.

INSTRUCTION FOR USE:-

The main requirement is to save the cement and reduce water content. Initial trials should be made with normal concrete mix designs. The addition of the admixture will allow the reduction of water from the mix whilst maintaining workability. After initial trial, minor modification to the overall mix design and dosage of admixture may be made to optimize performance.

COMPATIBILITY:-

BELPLAST 116 is compatible with all type of Portland cement, sulphate resisting cements and micro silica and Fly Ash based cement.

PACKAGING:-

BELPLAST 116 as available in bulk and 250 kg Drums.

DISPENSING:-

The measured quantity of BELPLAST 116 added along with the gauging water in the case of batching plants using available dosing pumps at the site.

STORAGE & SHELF LIFE:-

BELPLAST 116 has a shelf life of one year from date of manufacture in unopened original packing and protected from extremes of heat & cold temperatures. Product should be stored under shade.

SAFETY PRECAUTIONS:-

BELPLAST 116 is a non-hazard product; spillage should be washed down immediately with cold water. In case of contact with eyes, rinse immediately with plenty of water

TECHNICAL INFORMATION & SERVICES

For additional technical information and on- site demonstration, please contact representative of
BNR ENTERPRISES

PEDDAMBERPET, HYDERABAD-501505, PHONE NO 9553563941
GST NO.36AATFB8635P1ZH, EMAIL: bnrenterprises1508@gmail.com