Bettoplast Aqualoc Mr -100

bettonlanka
Constructing the future

Data Sheet

Concrete Admixture

Water Reducing Plasticizer/Retarder for Concrete.

Description
Betto plast MR-100 is a new generation of concrete admixture based on unique polycarboxylic either polymer with long lateral chains designed for the prodution of a wide range of concrete mixes from conventional self compacting concrete.
Betto Plast Mr-100 combines the properties of water reduction and workability retention. It allows the prodution of high performance concrete with good workability.
Betto Palst Mr-100 is particularly strong super plasticizer allowing production of consistent concrete properties within recommended dosage.

Uses
Betto Plast Mr-100 is a high performance super plasticzer intended for applications where early and ultimate compressive strengths are required, and it has been developed for use in:

- Self compacting concrete
- Pumped concrete
- Concrete requiring long workability retention
- Concrete containing Micro silica, Fly Ash, and GGBS.

Advantages
- Increased compressive strength and flexural strength at all ages.
- Significantly increased early-strength.
- Increased workability retention ability of fresh conxrete without segregation.
- Improved adhesion to reinforcing and stressing steel.
- Better resistance to carbonation.
- Lower permeability.
- Better resistance to aggressive atmospheric conditions.
- Reduced shrinkage.
- Increased durability.
- Improve surface finishing.

Properties
Appearance: Pale Yellow liquid
PH: 6-8 @ 24°C
Density: 1.07±0.01 kg/lit @ 24°C
Chloride content: Nil to EN934 & BS 5075

Standards Compliance
Betto Plast MR-100 NI comply with ASTM C494 Type F and G, ASTM C1017 TYPE 1 & 2, En - 934 and BS-5075.
Despending on dosage used.

Dosage
The optimum dosage of Betto Plast MR-100 to meet specific requirements should aloways be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is between 0.8 to 2 liters/100 kg of cementations material.

Effects of overdosing
Over dosage may cause delay in the setting time and bleeding problems.

Compatibility
Betto Plast MR-100 should not be used in conjunction with any other admixture unless prior approval is obtained from Betton Technology Lanka.
Betton Plast Mr-100 is compatible with all types of Portland cement and cement replacement material such as PFA, GGBFS, and micro silica.

No.111, Biyagama Road, Kelaniya, Sri Lanka. | Tel : +94 11 2918636 | Fax : +94 11 2918630 | E-mail : info@bettonlanka.com
www.bettonlanka.com

Bettoplast Aqualoc Mr -100

bettonlanka
Constructing the future

Water Reducing Plasticizer/Retarder for Concrete.

Packaging
Betto plast MR-100 is available in
25L
100L
1000L

Storage
Betto Plast MR-100 has a minimum shelf life of 12 months. Betto Plast MR-100 may freeze at temperature below 2°C.

Health and Safety
Betto Plast MR-100 does not fall into the hazard classifications of current regulations.
However, it should not be swallowed or allowed to come into contact with skin and eyes.
Suitable protective gloves and goggless should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomitng.
The disposal of excess or waste materal should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.
For further information consult the Material Safety Data Sheet available for this product.

Technical support
The technical department is available to assist you in the correct use our products and ist resources are at your disposable entirely without obligation.

Data Sheet

Concrete Admixture

No.111, Biyagama Road, Kelaniya, Sri Lanka. | Tel : +94 11 2918636 | Fax : +94 11 2918630 | E-mail : info@bettonlanka.com
www.bettonlanka.com