

Bond Rheoplast 250

High range water reducing super-plasticizer for rheoplastic concrete

DESCRIPTION

Bond Rheoplast 250 is a specialized formulation of synthetic polymers intended to provide highly workable, rheoplastic concrete.

RECOMMENDED USES

Bond Rheoplast 250 considerably improves concrete properties and is good for:

- Pumped concrete
- Mass concrete pouring
- Ready mixed concrete
- High performance concrete
- Hot weather concreting
- Long-distance transportation

FEATURES AND BENEFITS

Bond Rheoplast 250 has the following features and benefits:

- Better compressive strengths
- Improved durability
- Higher initial slump
- Reduced permeability
- Workability retention for extended periods
- Lower pumping pressures
- Reduced thermal peaks

PERFORMANCE TEST DATA

Appearance	Dark Brown liquid
Specific Gravity	1.21 ± 0.02 at 25°C
pH	6 ±1
Chloride ion content	< 0.2%

STANDARD COMPLIANCE

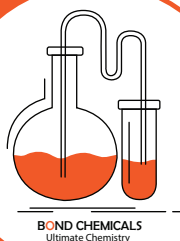
- ASTM C-494 Type A., B, D, F and G
- BS 5075 Part 1

DOSAGE

To determine the optimum dosage of Bond Rheoplast 250, it is advised to conduct trials with different combinations of concrete ingredients.

As a guide, a dose of 0.8% to 2.0% by weight of cementitious material can be considered as a starting point.

In high performance concrete with Microsilica dose can be increased up to 2.5% of total cementitious material. For addition information on dosage of Bond Rheoplast 250, please contact



APPLICATION

Bond Rheoplast 250 is a ready-to-use liquid which can be dispensed into the concrete together with the mixing water.

The super plasticizing effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added.

Addition to dry aggregate or cement is not recommended.

COMPATIBILITY

Bond Rheoplast 250 is compatible with all cements, microsilica, fly ash, integral water proofers and air entraining agents complying ASTM standard requirements.

PACKAGING

Bond Rheoplast 250 is available in IBC (Intermediate Bulk Container) and drum having gross weight of 1,200 Kg and 240 Kg respectively.

STORAGE /SHELF LIFE

Bond Rheoplast 250 must be stored above 5°C.

Store under cover, out of direct sunlight and protect from temperature extremities.

Shelf life is 12 months from the manufacturing date, when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product and packaging.