

MULTIFLOW 606 NORMAL

Water Reducing Plasticizer with Normal Setting Characteristics

Specification Type

ASTM C494 Types A&D, CRD-C87 Types A&D

Description

MULTIFLOW 606 NORMAL is a liquid admixture based on a Polyhydroxylated Polymer combined with other proprietary chemicals. It is an integral concrete plasticizer and water reducing agent which disperses and deflocculates cement particles within a concrete mix.

Typical Applications

- * In areas of congested reinforcement where high workability is of benefit
- * In roads, runways, and parking aprons to increase durability
- * In concrete brick and block manufacture
- * To increase workability in mass concrete pours

Advantages

- Its plasticizing action will give an increase in workability thus facilitation to high water reduction of approximately 10% depending on sands used
- Concrete will be less susceptible to bleeding and segregation, especially when being poured or pumped and will have increased durability and reduced permeability
- Of particular benefit in crushed aggregate mixes where the improved cohesion of the mix results in minimizing sand runs and eliminating bleeding
- * Cohesiveness of the mix aids in pouring of concrete

Typical Properties

Colour:	Dark brown liquid
Specific Gravity:	1,185 at 20°C
Air Entrapment:	1.5% to 2% dependant on grading of sand
Chloride Content:	No added chlorides
Nitrate Content:	Nil
Freezing point:	0°C. Can be reconstituted if stirred after thawing
Storage Life:	Up to 2 years when stored in accordance with manufacturer's instructions
Flashpoint:	None

Directions for Use

MULTIFLOW 606 NORMAL should be added to the concrete mix at the same time as the water during the mix cycle. Never add MULTIFLOW 606 NORMAL to dry cement. No extension to normal mixing time is necessary.

Dosage

As with most admixtures, field trials should be conducted to determine the optimum dosage rate of MULTIFLOW 606 NORMAL. As a guide, a range between 200-500ml per 100kg of cement is recommended, although dosages may vary considerably depending on sands and aggregates used.

Compatibility

MULTIFLOW 606 NORMAL can be used with all types of Portland Cement including Sulphate Resisting. MULTIFLOW 606 NORMAL should not be premixed with other admixtures. If other admixtures are to be used they must be dispensed separately. Consult MCC LIMPOPO Office or Representative for advice.

Dispensing

The measured quantity should be added directly to the mixer at the same time as the mixing water. MCC LIMPOPO will install a dispenser to the batching plant / mixer "free-on-loan".

Packaging

Available in 25 and 200 litre drums. Bulk deliveries are available on request. Protect from extreme temperature changes when storing drums.

Curing

It is essential to cure all concrete in order to achieve design strength and reduce moisture loss. Cure with MULTICURE Curing Compounds.

Specification Clause

MULTIFLOW 606 NORMAL:

Where indicated use MULTIFLOW 606 NORMAL a high performance water reducing plasticizing admixture for concrete as manufactured by MCC LIMPOPO. MULTIFLOW 606 NORMAL is to be used in all concrete at a dosage range of 200ml to 500ml per 100kg cement strictly in accordance with the manufacturer's instructions.

Quality Assurance

MCC LIMPOPO production and testing programmes comply with local testing standards. These stringent testing requirements also comply to ASTM C494, B.S. 5075 Part 1 and CRD-C87 performance specifications for concrete admixtures.

Updates

This data sheet supersedes all previous issues prior to this date: 31/05/97.