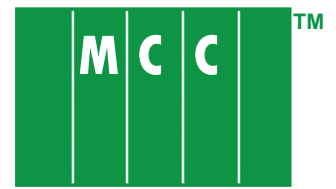


KWA – ZULU NATAL

T: 031 701 2619

E: natal@mcc-sa.co.za

**Unit 7, Marlmead, 4 Reed Place,
Maxmead, Pinetown, 3610**



**MULTI CONSTRUCTION
CHEMICALS**

www.mcc-sa.co.za

MULTIFLOW 612

UNIQUELY BLENDED SUPER PLASTICISER FOR THE

PRODUCTION OF HIGH QUALITY READY MIX CONCRETE REQUIRING EXTENDED WORKABILITY

Specification Type

SANS 50934 - 2:2011(EN934-2:2009), ASTM C494 Type F & G

Description

Multiflow 612 is an innovative new superplasticiser based on revolutionary new technology to provide customised admixture solutions for a wide range of concrete applications. Multiflow 612 gives the concrete producer the ability to consistently produce and deliver quality concrete batches.

Typical Applications

Multiflow 612 is recommended for use in:

- * Concrete with varying slump requirements
- * Concrete mixtures utilising supplementary cementitious materials
- * Concrete where high flowability, increased stability and durability are needed.
- * Ready-mixed
- * Production of self-consolidating concrete in (SCC) mixtures.

Advantages

- * Workability retention without retardation.
- * Flexible levels of workability retention by adjusting dosage.
- * Improved early-and late-age compressive strengths.

Typical Properties

Appearance:	Brown coloured liquid
Specific gravity @ 25°C	1.12 (+/- 0.02)
pH value :	8 (+/- 2)
Alkali content (as Na ₂ O equivalent)	< 2%
Chloride content:	“chloride free” to EN934-2

The engineer

- * Insurance that concrete meets original specification.
- * High quality durable concrete.

Directions for Use

*The normally recommended dosage rate of Multiflow 612 is 0.3 -1.5 lt per 100 kg of total cementitious material.

*Other dosages may be recommended in special cases according to the specific site conditions. In this case please consult our Technical Services Department for advice.

Mixing

Multiflow 612 is a ready-to-use admixture to be added to the concrete as a separate component. Optimal result is obtained if Multiflow 612 is poured into the concrete mix right after the addition of the first 80% of the mixing water i.e. when all solids are wetted. Avoid adding the admixture to the dry aggregates. Can also be used as a delayed addition.

Compatibility

Multiflow 612 is suitable for mixes containing:

- * Microsilica (Silica Fume)
- * Fly Ash (PFA)
- * GGBS (ground granulated blast furnace slag)

Storage

Multiflow 612 should be stored out of direct sunlight and protected from extremes of temperature. The shelf life is 9 months when stored as above.

Packaging

Multiflow 612 is supplied in 200 litre drums, 1000 litre containers or in bulk.

Handling and transportation

No special requirements must be used during use. Protection gloves and glasses are however recommended. Multiflow 612 is non-flammable, non-toxic or irritant and is not subject to special transport requirements.

Safety precautions

Multiflow 612 contains no hazardous substances requiring labelling. For further information refer to the Material Safety Data Sheet.

KWA – ZULU NATAL

T: 031 701 2619

E: natal@mcc-sa.co.za

**Unit 7, Marlmead, 4 Reed Place,
Maxmead, Pinetown, 3610**

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local MCC representative.

MCC reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from Multi Construction Chemicals (Pty) Ltd's facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards ISO 9001 : 2000.

Properties listed are based on laboratory controlled tests.

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

The information supplied is believed to be reliable. As we do not have any control over the processing or application of the product we cannot guarantee the results to be obtained. Users assume all risks and liability resulting from the use of this product and must confirm the suitability thereof by conducting their own test. No guarantee is expressed or implied. Liability is limited to the replacement of faulty material.

FOR PROFESSIONAL USE ONLY