



MegaFlow 112

Polycarboxylic Ether Based Retarding
Superplasticiser

DESCRIPTION **MegaFlow 112** is an economical admixture based on modified polycarboxylate ether technology and is specially designed for ready mix concrete. **MegaFlow 112** is differentiated from conventional superplasticiser such as those based on sulphonated Naphthalene and melamine formaldehyde condensate, having unique carboxylic ether polymer with long lateral chains. This greatly improves cement dispersion. It is designed to impart extreme workability without segregation of the concrete. **MegaFlow 112** is specially designed to produce concrete with low water/cementitious ratios while maintaining normal levels of workability.

STANDARD ASTM C 494 Type B, D&G, BSEN 934-2

USES **MegaFlow 112** is formulated to produce workable and dense concrete, also to improve the effectiveness of the water content of a concrete mix which is a cost effective means of reducing concrete permeability. It provides high workability without segregation or bleeding.

ADVANTAGES

- Water reduction significantly improves compressive strength and enhances durability through the production of low permeability concrete
- Better workability compared to most of the concrete mixes
- Chloride free, safe for use in prestressed and reinforced concrete
- Good workability improvement to most of concrete mixes
- Improved concrete surfaces

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Appearance	-	Light brown Coloured liquid
Specific Gravity	ASTM C494	1.07 +/- 0.02
pH Value	ASTM C494	5.5 - 7.0
Chloride Content	BSEN 480-10	Nil to BS EN 934-2
Air Entrainment	ASTM C231	Less then 1% over control mix

COMPATIBILITY **MegaFlow 112** can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica etc. It should not be premixed with other admixtures.

DOSAGE Recommended dosage is 0.5 - 2% by weight of cementitious material. Higher dosage can be used after verification of performance by conducting lab and site trials. Optimum dosage of **MegaFlow 112** and effect on concrete properties such as workability, strength, setting time, etc. are best assessed after preliminary tests on site using the actual materials of mixes under consideration.



MegaFlow 112

EFFECT OF OVERDOSING Overdosing may result in higher workability and delay in setting. In such cases, provided the concrete is properly cured, the ultimate strength will generally be higher than the regular concrete.

PACK SIZE 20 ltr, 200 ltr, 1000 ltr and Bulk

DISPENSING **MegaFlow 112** should be dispensed into the concrete mixer together with the mixing water.

GENERAL INFORMATION

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.

Cleaning Clean all equipment and tools with water immediately after use. Spillages of **MegaFlow 112** should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.

HEALTH and SAFETY

PPE's Gloves, goggles and suitable mask must be worn.

Precautions Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.

Hazard Regarded as non-hazardous for transportation.

Disposal Do not reuse containers. To be disposed off as per local rules and regulations.

Additional Information Refer MSDS. (Available on request)

TECHNICAL SERVICE **CONMIX Technical Services** are available on request for onsite support to assist in the correct use of its products.



Construction Solutions for Africa

CAPE TOWN

Tel: +27 (0)87 231 0253

Unit 5 | M5 Freeway Park

Upper Camp Rd | Maitland | 7405

Cape Town | South Africa

JOHANNESBURG

Tel: +27 (0)82 785 8529

64 Maple Street | Pomona

Kempton Park | Johannesburg | 1619

South Africa

Email: info@msasa.co.za | www.msasa.co.za

Manufacturer:

CONMIX LTD.

P.O. Box 5936, Sharjah

United Arab Emirates

Tel: +971 6 5314155

Fax: +971 6 5314332

Email: conmix@conmix.com

Sales Office:

Tel: +971 6 5682422

Fax: +971 6 5681442

www.conmix.com



It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, Conmix does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to Conmix standard terms and conditions of sale.