



# MegaFlow 110

Polycarboxylic Ether Based Superplasticiser

**DESCRIPTION** **MegaFlow 110** is an modified polycarboxylate ether based superplasticiser. It imparts effective dispersion between cement particles based on unique combination of electro static repulsion and steric hindrance. Due to its long chain polymeric structure, it exhibits superior performance compared to conventional superplasticisers.

**STANDARD** ASTM C494 Type F & G, BSEN 934 - 2

**USES** **MegaFlow 110** can be used for concrete containing GGBS, micro silica, fly ash, etc. It is a cost effective solution for ready-mix concrete where superior slump retention is required. Extremely useful in high fines concrete, hot weather concrete, etc.

**ADVANTAGES**

- High strength concrete with low water content
- Improved surface finish
- Good slump retention for longer time
- Lower permeability, better resistance to carbonation
- Superior performance than normal superplasticisers

## TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Liquid
Colour	-	Opaque
Specific Gravity	ASTM C494	1.08 +/- 0.01
Chloride Content	BSEN 480-10	Nil to BSEN 934-2
pH	ASTM C494	5-7

**COMPATIBILITY** **MegaFlow 110** 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. It is not compatible with naphthalene based 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 110** 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.

**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.



## MegaFlow 110

<b>PACK SIZE</b>	200 ltr, 1000 ltr and Bulk	
<b>DISPENSING</b>	Best performance is achieved when <b>MegaFlow 110</b> is dispensed into the concrete mixer after addition of 80% of water in the concrete.	
<b>GENERAL INFORMATION</b>	<b>Shelf Life</b>	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
	<b>Cleaning</b>	Clean all equipment and tools with water immediately after use.
<b>HEALTH and SAFETY</b>	<b>PPE's</b>	Gloves, goggles and suitable mask must be worn.
	<b>Precautions</b>	Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.
	<b>Hazard</b>	Regarded as non-hazardous for transportation.
	<b>Disposal</b>	Do not reuse containers. To be disposed off as per local rules and regulations.
	<b>Additional Information</b>	Refer MSDS. (Available on request)
<b>TECHNICAL SERVICE</b>	<b>CONMIX Technical Services</b> are available on request for onsite support to assist in the correct use of its products.	



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