



MegaFlow 2000

Polycarboxylated High Range Superplasticiser

DESCRIPTION **MegaFlow 2000** is a high performance concrete superplasticiser based on modified polycarboxylate ether. Having unique carboxylic ether polymer with long lateral chains, it is an effective cement dispersant and high range water reducer as compared to conventional superplasticisers.

STANDARD ASTM C494, Type F and G, BSEN 934 - 2

USES **MegaFlow 2000** is used for ready-mix concrete, self compacting concrete, under water concrete, precast concrete, concrete containing silica fume, GGBS, PFA with extremely low w/c ratio, etc. It is specially designed to achieve improved concrete properties in plastic and hardened state. It is useful especially for ultra high strength concrete, high fines concrete, hot weather concrete, etc.

ADVANTAGES

- Produces high flowing concrete without segregation
- High early strength
- High workability with lower water content
- Increased durability
- Improved surface finish
- Lower permeability
- Increased flexural strength

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Liquid
Colour	-	Opaque
Specific Gravity	ASTM C494	1.10 +/- 0.02
Air Entrainment	ASTM C231	Up to 1% over Control mix
Chloride Content	BSEN 480-10	Nil to BSEN 934-2
pH	ASTM C494	5-7

COMPATIBILITY **MegaFlow 2000** can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica etc. **MegaFlow 2000** 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 2000** 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. For self compacting concrete, a viscosity enhancer **MegaAdd VE** may be required at a dosage between 0.5 - 2.0 ltrs per cubic meter.



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

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

DISPENSING **MegaFlow 2000** 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.

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.



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