



MegaFlow SP103

High Range Water Reducing and
Accelerating Superplasticiser

DESCRIPTION **MegaFlow SP103** is a very effective, high range water reducing, accelerating superplasticiser and an extremely powerful de-flocculating agent. It is based on polymeric sulphonate naphthalene.

STANDARDS ASTM C494, Type E and F, BSEN 934-2

USES Uses include to produce high slump concrete for the precast industries and other types of concrete elements like beams, columns, slabs etc. **MegaFlow SP103** is to be used where substantial water reductions are required to provide high early and ultimate strengths i.e. precast factories, prestressed concrete bridges, shotcreting, etc.

ADVANTAGES

- Water reduction more than 30%
- Increased production speed at precast yards
- Quick hardening of concrete in initial stages
- Steam curing can be avoided
- Extremely useful for concrete in cold climate
- Increases durability by reducing permeability
- Improved waterborne salt resistance
- Chloride free and safe for use in prestressed and reinforced concrete

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Liquid
Colour	-	Brown
Specific Gravity	ASTM C494	1.22 +/- 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	7-9

COMPATIBILITY **MegaFlow SP103** can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica, etc. **MegaFlow SP103** should not be premixed with other admixtures.

DOSAGE Recommended dosage is 0.5 - 3% by weight of cementitious material. Higher dosage can be used after verification by conducting lab and site trials. Optimum dosage of **MegaFlow SP103** 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 fast setting. If intentionally or accidentally increased above the recommended dosages, care must be taken to



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allow for the effect on the stripping time of formwork and starting time for curing.

PACK SIZE	20 ltr, 200 ltr, 1000 ltr and bulk	
DISPENSING	MegaFlow SP103 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 equipments 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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