



MegaFlow SP1

High Range Water Reducing Superplasticiser

DESCRIPTION **MegaFlow SP1** is a highly effective water reducing superplasticiser and an extremely powerful de-flocculating agent based on soluble salt of polymericnaphthalene sulphonate.

STANDARD ASTM C494, Type F, BSEN 934-2

USES It is used to produce flowing concrete for the congested areas, slabs, foundations, large pours, beams, columns and precast elements. It provides excellent strength gain at early ages and major increase at all ages of concrete.

ADVANTAGES

- Good workability with fast strength gain
- Economical and cost effective solution for precast concrete
- Increases durability by reducing permeability
- Increased production in precast yards
- Normal setting without any retardation
- Chloride free and safe for use in pre-stressed and reinforced concrete

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Liquid
Colour	-	Brown
Specific Gravity	ASTM C494	1.20 +/- 0.02
Air Entrainment	-	Up to 1% over control mix
Chloride Content	BSEN 480-10	Nil to BSEN 934-2
pH	ASTM C494	7-9

COMPATIBILITY **MegaFlow SP1** can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica, etc. **MegaFlow SP1** should not be premixed with other admixtures.

DOSAGE Recommended dosage is 0.5 - 3.0% by weight of cementitious material. Higher dosage can be used after verification of performance by conducting lab and site trials. Optimum dosage of **MegaFlow SP1** 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. If intentionally or accidentally increased above the recommended limit, ensure that the stripping time of formwork is extended accordingly. In such cases, provided the concrete is properly cured, the ultimate strength will generally be higher than the regular concrete.



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PACK SIZE	20 ltr, 200 ltr, 1000 ltr and bulk	
DISPENSING	MegaFlow SP1 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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