



MegaFlow SP402

Advanced Superplasticiser for Extended Slump Retention

DESCRIPTION **MegaFlow SP402** is a high range superplasticiser based on selected sulphonated naphthalene polymers specially formulated to impart flowing characteristics in concrete containing GGBS, fly ash, micro silica etc.

STANDARD ASTM C494, Type B, D and G, BSEN 934-2

USES **MegaFlow SP402** is specially recommended for concrete containing GGBS, fly ash, micro silica etc. to enhance durability. It is used in concrete for piling, pumpable concrete for high rise towers, hot weather concreting, concrete in congested reinforcement, concrete with extended slump retention properties without delay in setting, etc.

ADVANTAGES

- High water reduction capability
- Excellent slump retention properties even at low water cement ratio
- Increases durability by reducing permeability
- Extension of placing time of concrete in hot climates
- No excessive air entrainment
- 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 SP402** can be used with all types of cements and supplement materials like fly ash, GGBS, micro silica, etc. **MegaFlow SP402** should not be premixed with other admixtures.

DOSAGE Recommended dosage is 1-3% by weight of cementitious material. Higher dosage can be used after verification by conducting lab and site trials. Optimum dosage of **MegaFlow SP402** 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



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formwork is extended accordingly. In such cases however, provided the concrete is properly cured, the ultimate strength will generally be higher than the regular concrete. The effects of overdosing are increased when sulphate resistant cement is used in the concrete mixes because of the chemical nature of the cement as compared to that of OPC.

PACK SIZE	20 ltr, 200 ltr, 1000 ltr and bulk	
DISPENSING	MegaFlow SP402 should be directly 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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