



**Max Flo SP 803** 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 C 494 Type B, D and G, BS EN 934-2

## USES

Max Flo SP 803 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 >30 %.
- ✓ Excellent slump retention properties even at low water cement ratio.
- ✓ Increase durability by reducing permeability.
- ✓ No excessive air entrainment.
- ✓ 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
Color	-	Brown
Specific Gravity	ASTM C 494	1.22 +/- 0.02
Air Entrainment	ASTM C 231	Up to 1% over Control Mix
Chloride Content	BSEN 480-10	Nil to BSEN 934-2
pH	ASTM C 494	7-9

Typical results under laboratory conditions. Results may vary as per site and usage conditions

## COMPATIBILITY

Max Flo SP 803 can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica etc. Max Flo SP 803 should not be premixed with other admixtures unless recommended by Ressichem Technician.



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## 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 Max Flo SP 803 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, dosage used is above the recommended dosages, care must be taken to allow for the effect on the stripping time of formwork. In such cases, 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

Available in 1 Liter, 5 Liters, 10 Liters, 15 Liters, 25 Liters and 200 Liters of packaging.

## DISPENSING

Max Flo SP 803 should be dispensed directly into the concrete mixer together with mixing water.

## SHELF LIFE

12 months from the date of manufacture when stored under cool and dry warehouse conditions in original unopened packaging. Extreme temperature and humidity may reduce shelf life.

## HEALTH AND SAFETY

This product is considered as non-hazardous and safe for transportation. Suitable masks and gloves can be worn during application. Contact with skin should be avoided. Refer to product MSDS for further health and safety information.