



Max Flo 5000 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, fluidifier and high range water reducer as compared to conventional superplasticisers.

STANDARD

ASTM C 494 Type F, and G, BS EN 934-2

USES

Max Flo 5000 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 especially useful for ultra-high strength concrete, high fines concrete, hot weather concrete, etc. micro silica, fly ash, etc. it is used in ready-mix concrete where extra ordinary slump retention is required in hot weather conditions. Extremely useful in high fines concrete.

ADVANTAGES

- ✓ Produces high flowing concrete without segregation
- ✓ High early strength
- ✓ High workability with lower water content
- ✓ Increased durability
- ✓ Improve adhesion to reinforcing and stressing steel
- ✓ Better resistance to carbonation
- ✓ Lower permeability
- ✓ Increase flexural strengths

TYPICAL PROPERTIES AT 25°C

Property	Test Method	Value
Component	-	Single
Form	-	Liquid
Color	-	Opaque
Specific Gravity	ASTM C 494	1.10 +/- 0.02
Air Entrainment	ASTM C231	Up to 1% over control Mix
Chloride Content	BS EN 480-10	Nil to BSEN 934-2
pH	ASTM C 494	5-7

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



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COMPATIBILITY

Max Flo 5000 can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica etc. Max Flo 5000 should not be premixed with other admixtures unless recommended by Ressichem Technician.

DOSAGE

Recommended dosage is 0.5 – 2.0 % by weight of cementitious material. Higher dosage can be used after verification of performance by conducting lab and site trials. Optimum dosage of Max Flo 5000 and effect on concrete properties such as workability, strength, setting time, etc. are best assessed after preliminary tests on site using the actual material of mixes under consideration for self-compacting concrete, a viscosity enhancer. Max Flo VE is recommended 1.0-2.0 liters per cubic meter.

EFFECT OF OVERDOSING

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

PACK SIZE

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

DISPENSING

Max Flo 5000 should be directly dispensed 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.