



Max Flo 4000 is a modified polycarboxylate ether bases superplasticiser 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 D and G, BS EN 934-2

USES

Max Flo 4000 is specially intended for use in self-compacting concrete, high strength concrete, durable concrete containing GGBS, 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 free flowing concrete without segregation and bleeding
- ✓ High strength concrete with low water content
- ✓ Produces self-compacting concrete without segregation
- ✓ Improves surface finish
- ✓ Improve adhesion to reinforcing and stressing steel
- ✓ Lower permeability, better resistance to carbonation
- ✓ Increase flexural strengths
- ✓ Good slump retention for longer time
- ✓ Remarkably superior performance than normal superplasticiser

TYPICAL PROPERTIES AT 25°C

| Property | Test Method | Value |
|------------------|-------------|---------------------------|
| Component | - | Single |
| Form | - | Liquid |
| Color | - | Brown |
| Specific Gravity | ASTM C 494 | 1.10 +/- 0.02 |
| Air Entrainment | ASTM C231 | Up to 1% over control Mix |
| Chloride Content | BSEN 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



COMPATIBILITY

Max Flo 4000 can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica etc. It 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 4000 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.

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 high 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 4000 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.