

# MasterSure 1008

New generation super slump retaining aid for extended slump retention

## Material Description

**MasterSure 1008** is an innovative new generation polycarboxylate ether based slump retaining aid with super retention technology. Additionally, it can help the ready-mixed / precast concrete industries, where more than normal slump retention and durability are required, particularly in hot climates. **MasterSure 1008** is a specifically tailored, stand-alone product, the constituents of its active ingredient exhibiting unique adsorption characteristics to cement. **MasterSure 1008** can be used in conjunction with Master Builders Solutions polycarboxylate ether and modified lignosulphonate based admixtures only to aid in super slump retention of a concrete mix. The excellent dispersion effect makes MasterSure 1008 the ideal aid for the ready-mixed concrete / precast concrete industry, without affecting concrete setting times. The ability to work over a range of water binder ratios including low w/b ratios and still obtain extended slump retention allows for the manufacture of high quality concrete.

**MasterSure 1008** is free of added chloride and complies with ASTM C 494/ C 494M-08, Type G, BS EN 934 – 2:2001, AS 1478.1 - 2000 Type SN and is also compatible with all cements meeting recognized international standards.

## Areas of Application

- Super slump retaining concrete with equal or less water content than conventional admixtures
- Faster mixing aids logistics during large pours
- Highly flowable concrete
- Highly durable concrete
- Ready-mixed concrete
- Precast concrete
- Mass concrete
- Long distance transport
- Pumped concrete
- Hot weather concretin

## Characteristics & Benefits

- High workability - ease of placing and compaction. No segregation.
- Superior slump retention - no re-tempering. Ease of delivery to point of placement
- Low shrinkage and creep - improve dimensional stability. Reduced risk of cracks.
- Good cohesion - ease of pumping. No bleeding.
- Good workability - excellent surface appearance. Self-compacting concrete.
- Superior slump retention, including mid-range slumps.
- Minimal bleed water - excellent concrete quality.
- High elastic modulus- superior load bearing capacity

## Quantity to Use

Dosage of **MasterSure 1008** depends on the mix design, ambient conditions and degree of water reduction and workability required. **MasterSure 1008** is dispensed at a rate of 150 ml to 350ml per 100 kg of cementitious material. Other dosages may also be used depending on the specific working conditions. Trial mixes should be made with job materials to determine the optimum dosage required for a specified job requirement. Dosage of **MasterSure 1008** can be adjusted according to demand of dosing requirement to affect the right degree of workability.

As highlighted, **MasterSure 1008** can be used in combination with other Master Builders Solutions admixtures to achieve longer slump retention or other specific working requirements. The dosage employed in such cases may be different from the above recommendation. Trial mixes should be made with job materials to determine the optimum dosage required for a specified job requirement.

## Dispensing

**MasterSure 1008** is a ready-to-use admixture to be added to the concrete mix as a separate component along with a polycarboxylate ether or modified lignosulphonate based admixture.



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Optimal mixing is obtained if **MasterSure 1008** is poured into the concrete mix right after the addition of the first 50 -70% of the mixing water. Avoid adding the admixture to the dry aggregates. A separate dispenser and feed line must be used.

## Compatibility

**MasterSure 1008** is not compatible with MasterRheobuild admixtures or other admixtures containing naphthalene formaldehyde condensates.

**MasterSure 1008** can be used with other Master Builders Solutions admixtures to achieve cost effective customised performance. However, those admixtures should be dispensed separately and added separately to ensure complete distribution throughout the mix. **MasterSure 1008** should not be used in conjunction with other admixtures unless specific test information is available.

## Packaging

**MasterSure 1008** is supplied in 20 litre pails, 1000 litre pallecons and bulk delivery.

## Disclaimer

## Storage & Shelf Life

Containers should be stored tightly sealed in a dry place. Keep away from heat. Store protected against freezing. Keep only in the original container.

**MasterSure 1008** has a shelf life of 12 months.

**MasterSure 1008** should be recirculated before use.

## Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

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