

MasterPozzolith I 350

Non chloride water reducing set accelerating admixture

Material Description

MasterPozzolith I 350 is a ready to use liquid admixture formulated to provide water reduction and acceleration to the setting time of concrete under cold winter conditions. It provides high early strength in special application concrete not previously possible with water reducing admixtures. It does not contain added chloride and conforms to the most stringent chloride ion limits required by concrete industry standards. **MasterPozzolith I 350** meets and exceeds AS 1478 (Type WRAc).

Areas of Application

- All types of concrete where a non-chloride, water-reducing, set accelerating admixture is required
- Concrete subject to chloride ion constraints such as in coastal environments
- Improving the performance of plain reinforced, precast, lightweight or standard weight concrete
- Concrete placed on galvanised steel floor and roof systems which are left in place
- Concrete highway and bridge construction
- Concrete pipes and other manufactured concrete products
- Use in white or coloured concrete

Characteristics and Benefits

Concrete with **MasterPozzolith I 350** has a significantly faster setting time than plain concrete in cold conditions. Benefits to concrete construction and to the manufacture of concrete products because of this faster setting include the following:

In the plastic state:

- earlier finishing of slabwork without the need for calcium chloride
- reduced segregation particularly in lean mixes and high slump concrete
- improved workability
- improved pumpability
- superior finishing characteristics for slab work
- reduced water content for a given workability

In the hardened state:

- increased strength gain in compressive, flexural and bond (concrete to steel)
- earlier stripping and re-use of forms for walls, precast work and other fast track construction
- earlier de-tensioning in prestressed concrete
- more efficient scheduling, faster construction and earlier occupancy
- potential energy savings in steam cured concrete by reducing curing temperatures and/or steaming time necessary to reach desired transfer strengths

MasterPozzolith I 350 contains no added chlorides, con-forms to the most stringent chloride ion limits including AS3600 concrete structures code and will not initiate or promote the corrosion of reinforcing steel.

Quantity to Use

MasterPozzolith I 350 admixture is normally used at a dose rate of 400mls per 100kg of cementitious material depending on the composition of the basic ingredients of the concrete and ambient conditions. **MasterPozzolith I 350** can be used at 600mls per 100kg of cementitious material resulting in increased water reduction and faster setting rates especially when temperatures are below 10°C. Where greater acceleration under extremely cold conditions, or where rapid setting is required, MasterSet AC 534 accelerator can be used in conjunction with **MasterPozzolith I 350** to provide the total non-chloride accelerating admixture system.

Compatibility

MasterPozzolith I 350 can be used with air entraining admixtures and other Master Builders Solutions admixtures to achieve cost effective customised performance. However, all admixtures should be dispensed separately to the initial batching water to ensure complete distribution throughout the mix. **MasterPozzolith I 350** should not be used in conjunction with other admixtures supplied by other manufacturers unless specific test information is available.



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Note for Test Laboratories

MasterPozzolith 1350 is designed to perform best in cold weather concrete. Tests conducted in laboratories at 23° +/- 2° will not necessarily produce the degree of set acceleration that will be achieved in the field at lower temperatures.

Packaging

MasterPozzolith 1350 is supplied 1000 litre pallecons and bulk delivery.

Storage & Shelf Life

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Store protected against freezing. Protect from direct sunlight. MasterPozzolith 1350 has a shelf life of 12 months.

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.

Disclaimer

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STATEMENT OF RESPONSIBILITY

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NOTE

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