

MasterPozzolith[®] R 168

Water reducing and set retarding

DESCRIPTION

MasterPozzolith R 168 is a ready to use, liquid admixture for producing more uniform and predictable quality concrete. It reduces the quantity of mixing water to produce concrete of a given consistency, with greater economy, for a given strength.

The use of **MasterPozzolith R 168** with concrete increases cohesion and reduces segregation. Placing and finishing characteristics are improved because this admixture also retards setting time.

MasterPozzolith R 168 admixture will not initiate or promote corrosion of reinforcing steel in concrete. The admixture does not contain intentionally added calcium chloride or chloride-based ingredients.

RECOMMENDED USES

MasterPozzolith R 168 is recommended for use in all types of concrete where retardation of set and improved performance is desired eg. plain, reinforced, precast or prestressed concrete especially when placing by pump and enhanced finishing is desired.

When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix.

FEATURES AND BENEFITS

MasterPozzolith R 168 used at optimum dose modifies the performance of concrete to provide the following:

IN THE PLASTIC CONCRETE

- Reduced water content for a given workability
- Superior slump retention
- Controlled retardation – depending on the dose rate.
- Improved workability, greater pumpability
- Reduced segregation

IN THE HARDENED CONCRETE

- Better finished appearance
- Increased strength
- Greater durability

APPLICATION

Dispensing

MasterPozzolith R 168 can be added into the mixing water or can be added to the wet concrete after the mixing water have been added. The addition of **MasterPozzolith R 168** to a dry concrete mix is not recommended. A separate dispenser or feed line must be used.

DOSAGE

MasterPozzolith R 168 is normally used at a dosage rate of 300 – 500ml/100kg of cementitious material. Other dosages may also be used depending on the specific work conditions.

Setting time is influenced by the chemical and physical composition of the basic ingredients of the concrete, temperature of the concrete and climatic conditions. Trial mix should be carried out with actual jobsite materials to determine the optimum dosage required for a specific setting time and given strength.

PACKAGING

MasterPozzolith R 168 is available in 205L drums or by bulk delivery.

SHELF LIFE

MasterPozzolith R 168 can be stored for 12 months if stored at temperatures above 5°C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

PRECAUTIONS

Health: MasterPozzolith R 168 does not contain any hazardous substances requiring labelling.

It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc.

For detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

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