

MasterPozzolith 575

Chloride accelerating admixture

MATERIAL DESCRIPTION

MasterPozzolith 575 ready to use, liquid admixture is designed to accelerate setting time and strength development.

APPLICATIONS

Recommended for use in:

- Fast track concrete construction
- Non-reinforced concrete
- Standard weight concrete

FEATURES

- Increase early and ultimate strengths, compressive and flexural.
- Relative durability to damage from freezing and thawing – well above industry standards.
- Reduced water content required for a given workability.
- Accelerated setting time characteristics.

BENEFITS

- Earlier finishing of slabs – reduced labour costs
- Reduced protection time in cold weather
- Earlier stripping and reuse of forms
- Earlier structural use of concrete, as in lift-slab tilt-up, paving and floors
- Easy to disperse in concrete mixtures, avoiding many of the problems associated with flake calcium

MasterPozzolith 575 admixture also increases concrete strength when used with Type III cement and with mixes designed to use calcium chloride or other admixture formulations.

TYPICAL PROPERTIES*

Properties listed are for guidance and are not a guarantee of performance.

Appearance	Opaque liquid
Specific gravity @ 25°C	1.280 – 1.320
pH Value	8.0 – 10.0

STANDARD

MasterPozzolith 575 admixture meets ASTM C 494 requirements for Type C accelerating and Type AE water reducing and accelerating admixtures.

DOSAGE

This admixture is used at the rate of 1-4 l / 100kg of cement for most concrete mixes using average concrete ingredients. Because of variations in job conditions and concrete materials, dosage rates other than the recommended amount may be required. In such cases, contact your local Master Builders Solutions representative.

As the dosage rate of **MasterPozzolith 575** admixture increases up to 4 l / 100kg of cement, acceleration of setting time usually continues to increase. The larger dosage also increases early and ultimate strengths.

COMPATABILITY

MasterPozzolith 575 admixture may be used in combination with any Master Builders Solutions admixture. When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix.

CORROSIVITY

This product contains intentionally added calcium chloride. The admixture, due to chlorides originating from all the ingredients used in its manufacture, contributes less than 0.0210% chloride ions by weight of the cement when used at the rate of 65ml/100kg of cement.

TEMPERATURE

If this admixture freezes, thaw at 2°C or above and completely reconstitute by mild mechanical agitation. Do not use pressurised air for agitation.

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PACKAGING

MasterPozzolith 575 is available in 20L and 1000 litre IBCs or in bulk.

STORAGE

MasterPozzolith 575 must be stored where temperatures do not drop below +5°C. If product has frozen thaw and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperatures.

SAFETY PRECAUTIONS

MasterPozzolith 575 is not a fire or health hazard. Spillages should be washed down immediately with cold water. For further information refer to the material safety data sheet.

NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction

Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

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* Properties listed are based on laboratory controlled tests.

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