

MasterSet[®] RT 122

Polymer admixture for improving concrete

MATERIAL DESCRIPTION

MasterSet RT 122 is a ready-to-use liquid admixture for making better, more uniform and more predictably high quality concrete. It retards the setting time to facilitate placing and finishing. Concrete meeting architectural, structural and construction requirements is obtained more dependably and economically with **MasterSet RT 122**. **MasterSet RT 122** meets and exceeds AS1478 requirements for Type Re admixtures.

AREAS OF APPLICATION

MasterSet RT 122 admixture is recommended for use in all types of concrete where retardation of set is required or desired.

MasterSet RT 122 admixture improves pumped concrete, shotcrete (wet mix) and conventionally placed concrete; it improves plain, reinforced, precast, prestressed, lightweight or standard weight concrete. It can be used in white or coloured concrete. **MasterSet RT 122** is the ideal admixture to be used for stencilled and/or stamped concrete. **MasterSet RT 122** can be used with air-entraining agents approved under AS 1478 Specifications when air-entrained concrete is specified or desired. MasterAir is recommended for use with **MasterSet RT 122** admixture when air-entrained concrete is specified or desired. When used in conjunction with another admixture each admixture must be dispensed separately into the mix.

CHARACTERISTICS AND BENEFITS

MasterSet RT 122 admixture aids in the production of concrete with these special qualities.

- Mild to extended retardation - depending on dosage
- Greater pumpability
- Superior finishing characteristics for slabwork and off-form surfaces
- Increased strength - compressive, flexural and bond of concrete to steel
- Greater economy in a mix designed for a given strength, slump and air content
- Easier placement - economy in placement
- Greater durability
- Slipformed concrete

QUANTITY TO USE

MasterSet RT 122 is used at the rate of 200±100ml per 100kg cement. Similar dose rates may be used with blended cements.

Whilst MasterSet RT 122 effects setting time, it has little or no effect on water reduction.

RATE OF HARDENING

The temperature of the concrete mix and the ambient temperature (forms, earth, reinforcement, air, etc.) affect the rate of hardening of the concrete. At higher temperatures concrete hardens more rapidly and may impose problems with placing and finishing of concrete. By varying the dosage of **MasterSet RT 122**, concrete with a more desirable rate of hardening characteristic can be obtained.

Since setting time is also influenced by the chemical and physical composition of the basic ingredients of the concrete, trial mixes should be made with the job materials approximating job conditions to determine the dosage required for a given degree of retardation.

COMPRESSIVE STRENGTH

In comparison to plain concrete, a mix containing **MasterSet RT 122** develops higher early and ultimate strengths, exceeding the strength requirements of AS 1478.

PACKAGING

MasterSet RT 122 is available in 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. Protect from temperatures below: 0 °C. The packed product must be protected from temperatures below the indicated one.

MasterSet RT 122 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.

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DISCLAIMER

MasterSet-RT122-ANZ-V10-1120

STATEMENT OF RESPONSIBILITY

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