

MasterRheobuild[®] 600UN

High range water-reducing admixture in liquid form for workability retaining superplasticised concrete

DESCRIPTION

MasterRheobuild 600UN is a ready-to-use, high range water-reducing admixture designed to produce high slump concrete with workability retaining properties. The product is chloride free.

PRIMARY USES

Use in concrete where delayed setting and extended workability are desired.
Mass-concrete pours.
Ready-mixed concrete.
Long distance transportation of concrete.
Pumped concrete.
Hot weather concreting.

ADVANTAGES

- Superplasticising effect in high slump applications.
- Dramatic reduction in water requirement at equal slump.
- Improved workability at equal water content compared to a non-treated mix.
- Excellent slump retention.
- Reduced cracking.
- Reduced permeability.
- Increased durability.
- Increased compressive and flexural strength.

PACKAGING

MasterRheobuild 600UN is available in 210 litre drums or in bulk.

STANDARDS

ASTM C494 Type D & G and BS 5075 requirements for high range water-reducing admixtures.

APPLICATION GUIDELINES

DOSAGE

MasterRheobuild 600UN can be used at a rate of 0.5-1.5 litre/100kg of cement.

Other dosages may also be used depending on the specific working conditions.

SETTING TIME

Setting time is influenced by the chemical and physical composition of the basic ingredients of the concrete and climatic conditions. Trial mixes should be performed with job materials to determine the optimum dosage required for a specified setting time and a given strength requirement.

DISPENSING

MasterRheobuild 600UN is introduced into the mixer together with the mixing water. The plasticising effect or water reduction is higher if the admixture is added to the damp concrete after 50-70% of the water has been added. The addition of **MasterRheobuild 600UN** to dry aggregate or cement is not recommended, as it lowers the plasticising effect and water reduction capacity.

MIXING

MasterRheobuild 600UN, in tightly closed original containers, has a shelf life of at least 2 years. The temperature of the storage place may not drop below +5°C, nor exceed +50°C. It is recommended that your local Master Builders Solutions Construction Chemicals representative be consulted prior to the use of any products that were frozen.

MasterRheobuild® 600UN

HEALTH AND SAFETY

MasterRheobuild 600UN contains no hazardous substances requiring labelling. For further information refer to the Material Safety Data Sheet.

QUALITY AND CARE

All products originating from Master Builders Solutions Construction Chemicals' Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC Group in many countries.

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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

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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