

RHEOBUILD[®] 600

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

Description

RHEOBUILD[®] 600 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.

RHEOBUILD[®] 600 has been incorporated in concrete used for

- All types of high rise construction
- Pre-stressed beams
- Foundation piles
- Storage tanks
- Purification structures
- Diaphragm walls

- Jetties, wharves
- Heavily reinforced structures
- Bank vaults
- Silos
- Towers and chimneys
- Tunnel linings
- Irrigation canals
- Weirs and tunnels in hydro-electric structures
- Airfield runways and roads

Packaging

RHEOBUILD[®] 600 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.

Dosage

RHEOBUILD[®] 600 can be used at a rate of 0.5 - 1.2 litres per 100kg of cement.

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

Rate of hardening

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.



The Chemical Company

RHEOBUILD[®] 600

Dispensing

RHEOBUILD[®] 600 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 RHEOBUILD[®] 600 to dry aggregate or cement is not recommended, as it lowers the plasticising effect and water reduction capacity.

Storage

RHEOBUILD[®] 600 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 BASF Construction Chemicals representative be consulted prior to the use of any products that were frozen.

Safety precautions

RHEOBUILD[®] 600 contains no hazardous substances requiring labelling. For further information refer to the Material Safety Data Sheet.

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF's 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, ISO 14001 and OHSAS 18001.

05/95 BASF_CC-UAE revised 04/2004

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

BASF Construction Chemicals UAE LLC

P.O. Box 37127, Dubai, UAE

Tel: +971 4 8090800

www.basf-cc.ae

Fax: +971 4 8851002

e-mail: marketingcc.mideast@basf.com



Certificate No.
963680



Certificate No.
945787



Certificate No.
772556