



The Chemical Company

RHEOBUILD[®] 1100 (HG)

A superplasticising admixture to produce rheoplastic concrete

DESCRIPTION

RHEOBUILD 1100 (HG) is a ready to use, liquid admixture designed to produce high slump concrete. It contains no chloride and is compliant with the requirements of ASTM C494 Type A and F admixtures.

FIELDS OF APPLICATION

- Use with all cements and admixtures meeting ASTM, AASHTO, UNI and BSI specifications.
- Precast and ready-mixed concrete
- Pumped concrete

FEATURES AND BENEFITS

- High workability for short placement time, as well as saves time and labour
- High water reduction to produce high impermeability and strength; improves durability
- Superior cohesion with no segregation even at high workability. Excellent concrete quality
- High early strength for early demoulding
- Low shrinkage and creep for better dimensional stability

APPLICATION

Dispensing

The addition of **RHEOBUILD 1100 (HG)** into a dry mix is not recommended.

RHEOBUILD 1100 (HG) can be dosed either at the batching plant or at the placing site.

At the batching plant, introduce **RHEOBUILD 1100 (HG)** at the specified dosage directly into the mixer through a dispenser along with mixing water, when the concrete is thoroughly wetted (i.e. after adding at least

75% of the mixing water) and mix for at least 2 minutes.

If added at the placing site, mix for at least 2 minutes after the addition.

DOSAGE

Dosage of **RHEOBUILD 1100 (HG)** depends upon the mix design, the ambient conditions and the degree of water reduction and workability required. Typical dosage used is 0.7 – 1.2 litres per 100kg of cementitious materials. Other dosages may also be used depending on the mix design and ambient conditions.

PACKAGING

RHEOBUILD 1100 (HG) is available in bulk and 205L drums.

SHELF LIFE

RHEOBUILD 1100 (HG) 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 : **RHEOBUILD 1100 (HG)** 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 **BASF Construction Chemicals** 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 **BASF Construction Chemicals** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

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