

MasterRheobuild® 1018

A superplasticising admixture to produce rheoplastic concrete

DESCRIPTION

MasterRheobuild 1018 is a superplasticising admixture that contains a sulphonated polymer. It is chloride free and is specially formulated to impart rheoplastic qualities to concrete.

Rheoplastic concrete is a fluid concrete with a slump value of at least 200mm or higher that flows easily but at the same time is free from segregation and has the same water/cement ratio as that of a no slump concrete without additive.

MasterRheobuild 1018 has been formulated to meet the requirements of ASTM C494 for Type A & F admixtures and BS-EN 934-2.

MasterRheobuild 1018 is compatible with all cements meeting recognized international standards.

FIELD OF APPLICATION

- Precast and ready-mixed concrete
- Pumped concrete
- All types of concrete mixes in which high strength and very high flowability are essential

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

Materials condition

Cement: For optimum performance, always use fresh cement, since the reactivity of cement is reduced with ageing.

Aggregates: Use of properly graded, good quality, coarse aggregates and sand helps to achieve higher impermeability and strength.

Dispensing

The addition of **MasterRheobuild 1018** into a dry mix is not recommended.

MasterRheobuild 1018 can be dosed either at the batching plant or at the placing site.

At the batching plant, introduce **MasterRheobuild 1018** 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).

DOSAGE

Dosage of **MasterRheobuild 1018** depends upon the mix design, the ambient conditions and the degree of water reduction and workability required. Typical dosage used is 0.5 – 1.2 litres per 100kg of cementitious materials. Other dosages may also be used depending on the mix design and ambient conditions.

Site trials are recommended to determine actual dosage required.

PACKAGING

MasterRheobuild 1018 is available in bulk and 1000L IBCs.

SHELF LIFE

MasterRheobuild 1018 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: **MasterRheobuild 1018** 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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MasterRheobuild® 1018

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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. Product may contain allowable chloride content as specified. 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

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