

## High Performance Plasticising Admixture & Water Reducing Agent for Concrete

### Description of Product

RHEOBUILD<sup>®</sup> 375 is a mid-range water reducer for use in concrete. It can be used at a range of dosage levels to increase the workability or reduce water content. It is especially useful where slump retention is required.

RHEOBUILD<sup>®</sup> 375 complies with:

- BS 5075, Part 1
- EN 934 - 2

### Application

RHEOBUILD<sup>®</sup> 375 is supplied ready to use. It should be added to the mixing process at the same time as the water. In tests, best results are obtained when the admixture is dispensed after 75% of the total water is added. No extension of normal mixing time is necessary. RHEOBUILD<sup>®</sup> 375 should never be added directly to the cement.

RHEOBUILD<sup>®</sup> 375 should not be used in conjunction with other admixtures without prior

consultation with the BASF IBC Admixture Systems Technical Department.

### Features and Benefits

Concrete manufactured using RHEOBUILD<sup>®</sup> 375 offers the following benefits:

- Enables cement reduction
- Increased consistence
- Imparts good workability retention.
- Reduced water content.
- Compatible with GGBS, PFA and Slag Cements.
- Excellent water reduction (12 - 20%).
- Aids cohesion.
- Reduces permeability.

### Fields of Applications

RHEOBUILD<sup>®</sup> 375 is suitable for use in the following applications:

- Ready mixed concrete
- Pumped Concrete

### Technical Data/Typical Properties

Appearance	Dark brown liquid
Specific gravity	1.19 – 1.20 @ 20 °C
Chloride Ion Content	≤0.1% w/w
Freezing Point	-5 °C

### Application Procedure

#### Mixing

Recommended Dosage Range: 300ml - 1200ml per 100kg cement. RHEOBUILD<sup>®</sup> 375 is a high performance product that benefits a wide variety of applications. The performance is best assessed after preliminary tests using actual concrete materials. As an initial guide to these trials we recommend an addition rate of 0.4% by weight of cement.

The manufacturer would advise that trial mixes should be undertaken, using job materials, in simulated job conditions to determine suitable dosage rates and performance.

#### Over Dosage

If overdosing occurs outside the recommended range particularly in cold weather, retardation will occur. Provided the overdosed concrete is properly cured the ultimate strength will generally be higher than normal concrete.

If over-dosing does occur please consult the BASF IBC Admixture Systems Technical Department for recommendations.

#### Packaging

RHEOBUILD<sup>®</sup> 375 admixture is supplied in 25 Litre, 210 Litre, 1000 Litre containers and Bulk.

**Storage**

Store away from direct sunlight in ambient temperatures and in dry conditions.

**Watchpoints**

If RHEOBUILD<sup>®</sup> 375 admixture has frozen, thaw at temperatures above 2°C and completely reconstitute by mechanical agitation only. Do not use pressurised air for agitation.

**Shelf life**

12 months in original manufacturers sealed containers.

BASF IBC Admixture Systems Limited,  
Unit 143 Baldoyle Industrial Estate,  
Baldoyle,  
Dublin 13, Ireland  
Tel: +353 (01) 832 1033  
Fax +353 (01) 839 3539  
[www.admixturestems.ie](http://www.admixturestems.ie)

RHEOBUILD<sup>®</sup> 375, BASF IBC Admixture Systems Limited, Version 1

**Health and Safety**

\*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

**Spillage**

Chemical products can cause damage; clean spillage immediately.

**DISCLAIMER**

"BASF IBC Admixture Systems Limited" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.