RHEOBUILD® 375

The Chemical Company

High Performance Plasticising Admixture & Water Reducing Agent for Concrete

Description of Product

RHEOBUILD® 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® 375 complies with:

- BS 5075, Part 1
- EN 934 - 2

Application

RHEOBUILD® 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® 375 should never be added directly to the cement.

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

Adding Value to Concrete

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

Watchpoints
If RHEOBUILD® 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.admixturesystems.ie

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.