

# POZZOLITH<sup>®</sup> 333

Set retarding and water reducing admixture

## DESCRIPTION

**POZZOLITH 333** is a ready to use, liquid admixture for producing more uniform and predictable quality concrete. It reduces the quantity of mixing water required to produce concrete of a given consistency, with greater economy, for a given strength. Placing and finishing characteristics are improved because this admixture retards setting time.

It has been specifically developed for use in hot weather region and is designed to meet ASTM C494 requirements for Type B Retarding and Type D Water-Reducing and Retarding Admixtures.

**POZZOLITH 333** admixture will not initiate or promote corrosion of reinforcing steel in concrete. The admixture does not contain intentionally added calcium chloride or chloride-based ingredients.

Concrete produced with **POZZOLITH 333** admixture will have rapid strength development after initial set occurs. If retardation is within the normal ASTM C 494 types B and D specifications, **POZZOLITH 333** admixture will develop higher ultimate strengths than plain concrete when used within the recommended dosage range.

## FIELD OF APPLICATION

Recommended for use in all types of concrete where retardation of set and improved performance, reduced segregation, bleeding and permeability are desired. e.g. plain, reinforced, precast or prestressed, concrete, especially where placing by pump and when enhanced finishing is desired.

When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix.

## FEATURES & BENEFITS

**POZZOLITH 333** used at optimum dose rate modifies the performance of concrete to provide the following:

### IN THE PLASTIC CONCRETE

- Reduced water content for a given workability
- Superior slump retention
- Controlled retardation – depending on the dose rate
- Improved workability, greater pumpability
- Reduced segregation, bleeding
- Superior finishing characteristics for slabs and precast of off-form surface

### IN THE HARDENERD CONCRETE

- Better finished appearance
- Increased strength (compressive flexural and bond of concrete to steel)
- Greater durability

## DOSAGE

**POZZOLITH 333** is used at the rate of 300 – 700 ml per 100 kg cementitious.

Setting time is influenced by the chemical and physical composition of the basic ingredients of the concrete, temperature of the concrete and climatic conditions. Trial mix should be made with job material to determine the optimum dosage required for a specific setting time and a given strength requirement.

## APPLICATION

### Dispensing

**POZZOLITH 333** can be added into the mixing water, or can be added to the wet concrete after the mixing water has been added. The addition of **POZZOLITH 333** to a dry concrete mix is not recommended. A separate dispenser and feed line must be used.

**POZZOLITH 333** can be added to the concrete with mixing water.

## PACKAGING

**POZZOLITH 333** is supplied in bulk and in 205 litre drums.

## SHELF LIFE

**POZZOLITH 333** can be stored for 12 months if stored at temperatures above 5°C, in tightly sealed original packaging. If found to be frozen, thaw it at 20°C and reconstitute by stirring.

## PRECAUTIONS

**POZZOLITH 333** is not a fire or health hazard. Spillages should be washed down immediately with cold water.

For detailed Health, Safety and Environmental recommendations, please consult and follow all instructions in the product Material Safety Data Sheet.

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The Chemical Company

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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.

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