



# Conplast® RMC333

## High performance water reducing admixture

### Uses

- Exclusively for RMC's for lower grade concrete ranging from M15 to M35 where retention of workability is of prime importance
- Can be used in hot weather conditions also
- Can also be used to improve cohesion of the mix and compatibility

### Advantages

- Improved cohesion & reduced bleed and segregation
- Can be used for concrete with poor grading
- Chloride free and safe for use in reinforced and prestressed concrete
- Improved workability and workability retention with extended setting time and hence ideal for use in hot weather conditions
- Workability increase without extra water addition
- Assists in producing dense, close textured, low permeability concrete thus enhancing durability
- Water reduction helps in improvement of compressive strength at all ages.

### Standards compliance

Conplast RMC P333 complies with BS 5075 Part 1 and with ASTM C494 as Type B & D.

### Description

Conplast RMC P333 is a high performance plasticising admixture, which has been specially designed to retain workability even in high ambient temperature.

### Technical support

Fosroc provides a technical advisory service for on-site assistance and advice on mix design, admixture selection, evaluation trials and dispensing equipment.

### Dosage

The optimum dosage of Conplast RMC P333 to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. As a general guideline the dosage ranges shall vary from 0.4% to 0.8%. Depending on the properties required a dosage of up to 1% can be used.

### Properties

<b>Appearance</b>	Dark Brown liquid
<b>Specific gravity</b>	1.23 - 1.25 at 27°C
<b>Chloride content</b>	Nil to BS 5075
<b>Nitrate content</b>	Nil.
<b>pH</b>	7.0 - 8.0
<b>Air entrainment</b>	Typically less than 2% additional air is entrained at normal dosages
<b>Compatibility</b>	Compatible with all types of Portland cement

### Instructions for use

#### Compatibility

Conplast RMC P333 is compatible with other Fosroc admixtures used in the same concrete mix. All admixtures should be added to the concrete separately and must not be mixed together prior to addition. The performance of concrete containing more than one admixture should be assessed by trial mixes.

Conplast RMC P333 is suitable for use with all types of ordinary portland cements and cement replacement materials such as PFA, GGBFS and microsilica.

#### Dispensing

The correct quantity of Conplast RMC P333 should be measured by means of a recommended dispenser. The admixture should then be added to the concrete with the mixer water to obtain the best results. Contact Fosroc for advice regarding suitable equipment and its installation.

#### Effect of over dosage

A severe over dosage of Conplast RMC P333 will result in following :

- Increase in air entrainment
- Increase in workability
- Retardation of initial and final setting times.

If the concrete is properly cured the ultimate strength of concrete will not be adversely affected and will generally be higher than normal concrete.

# Conplast® RMC P333

Estimating

## Packaging

Conplast RMC P333 is available in 200 litre containers.

Storage

Conplast RMC P333 has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50° C. Should the temperature of the product fall outside this range then contact local Fosroc office for advice.

**Freezing point** : Approximately -3°C

Precautions

## Health and safety

Conplast RMCP333 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

For further information consult the Material Safety Data sheet available for this product.

## Fire

Conplast RMC P333 is water based and nonflammable.

Cleaning and disposal

Spillages of Conplast RMC P333 should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

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## Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

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