

High performance water reducing admixture

Uses

- Exclusively for RMC's for lower & medium grades of concrete where retention of workability is of prime importance
- Ideal for concrete produced and transferred in hot weather conditions
- To improve the effectiveness of the water content of a concrete mix

Advantages

- Improved cohesion & reduces bleeding and segregation
- Makes the mix cohesive even if the aggregates are of slightly poor grading.
- Chloride free and safe for use in reinforced and prestressed concrete
- Improved workability and workability retention with controlled 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 RMCP333 complies with BS 5075 Part 1 and with ASTM C494 as Type B & D.

Description

Conplast RMCP333 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 has to be determined by conducting trials with mix design proposed using the materials and conditions that will be experienced in use. The normal dosage ranges 0.3 to 0.7% by weight of cement. Depending on the mix design and results desired, a dosage of up to 1.0% by weight of cement may be used.

Use at other dosages

Dosages outside the normal range quoted above can be used to meet particular mix requirements. Contact Fosroc for advice in these cases.

Properties

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

Instructions for use

Compatibility

Conplast RMCP333 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 RMCP333 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 RMCP333 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.

Conplast® RMCP333

Effect of over dosage

A severe over dosage of Conplast RMCP333 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.

Estimating

Packaging

Conplast RMCP333 is available in 200 litre containers.

Storage

Conplast RMCP333 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 RMCP333 is water based and nonflammable.

Cleaning and disposal

Spillages of Conplast RMCP333 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 :

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telephone

++91 80-22240018/120

fax

++91 80-22233474

e-mail

india@fosroc.com



Fosroc Chemicals (India) Pvt. Ltd.

Head Office

111/3, Hafeeza Chamber II Floor,
K H Road, PBN0. 2744, Bangalore 560027

www.fosroc.com

Bangalore

Shankar House, IV Floor
1 & 18, RMV Extension
Bangalore 560 080
Ph:080-2361 3161/2361 2004
Fax : 080-2361 7454
email: Bangalore@fosroc.com

Mumbai

208/209, Persepolis
Sector 17, Vashi
Navi Mumbai 400 703
Ph:022-2789 6412/14
Ph:022-2789 6413
email:Mumbai@fosroc.com

Delhi

First floor,1/2 East Patel Nagar
Opp: Vivek Cinema, Main Patel Rd
New Delhi 110 008
Ph:011-25884903/4
Fax: 011- 25884422
email:Delhi@fosroc.com

Kolkata

P-569, Lake Terrace Extn.
First Floor
Kolkata 700 029
Ph: 033 24650917 / 55343188
Fax: 033-24650891
email:Kolkata@fosroc.com

Regional Offices

- Ahmedabad : (079) 26762799 ● Ankleshwar : (02646) 220704/224687 ● Bhubaneshwar : (0674) 2546415 ● Chennai (044) 24899949/24853383
- Chandigarh : (0172) 2639360 ● Cochin : (0484) 2356668 ● Coimbatore : (0422) 2472966 ● Goa : (0832) 2542465 ● Guwahati (0361) 2548793
- Hyderabad : (040) 27662324/27662425 ● Hubli (0836) 09343402597 ● Indore : (0731) 504339/5061477 ● Jaipur : (0141) 2235349
- Jamshedpur : (0657) 2223848 ● Lucknow : (0522) 2239044 ● Nagercoil 09842134873 ● Visakhapatnam : (0891) 2564850 / 2707607

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