

COSTARMIX 200RS

High Performance Super Plasticizer for Slump Retention and High Strength Concrete

Description

COSTAMIX 200RS is a specially formulated, chloride free SNF based polymer, water reducing, high range and retarding admixture specially formulated to improve workability, durability and also reduces permeability.

Costarmix 200RS disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively. The very high levels of water reduction possible allows major increases in strength to be obtained

Benefits

- Makes possible major reductions in water: cement ratio which allow the production of high strength concrete without excessive cement contents. Use in production of flowing concrete permits easier construction with
- quicker placing and compaction and reduced labor costs without increasing water content.
- Increased workability levels are maintained for longer than with ordinary sulphonated melamine admixtures. Improved cohesion and particle dispersion minimizes segregation and
- bleeding and improves pump ability. Chloride free, safe for use in prestresses and reinforced concrete

Uses

- To provide excellent slump retention properties in tropical conditions even at low water cement ratio. Particularly suitable for high strength concrete.
- To significantly improve the workability of site mixed concrete without increasing water demand.
- To provide improved durability by increasing ultimate strengths and reducing concrete permeability.

Technical Information

Appearance	Brown Low Viscous Liquid
Chloride Content	Nil
Specific gravity	Typically 1.148±0.002 at 25°C
Air Entrainment	<2%

Dosage

The optimum dosage of Costarmix 200RS to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use.

For high strength, high workability concrete the typical dosage range is from 1.0 to 3.0 litres/100kg of cementitious material.

Effect of Overdose:

An overdose of above the recommended level of admixture may result in high workability, slight increase in air entrainment and retardation of setting time. The ultimate Strength of the concrete will not be adversely affected and will generally be higher than for normal concrete if properly placed and cured.

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Dispensing:

The measured quantity of Costarmix 200RS should be added along with the gauging water. For best results, add Costarmix 200RS in the last phase after pre-wetting the mix with 80% of the required water.

Spillage and Cleaning:

- Spillages of product should be absorbed onto sand, earth or vermiculite and transferred to suitable containers.
- Remnants should be hosed down with large quantity.

Fire:

It is water based and non- flammable.

Packaging

- 1000L tank, 210L drum and 25L gallon

Shelf Life

- 1 year

Standards compliance

Costarmix 200RS complies with BS 5075 Part 3 and with BSEN 934-2-1998. Complies with ASTM C494 as Type B, Type D and Type G depending on the dosage used.

Safety precautions

Avoid Contact with eyes and skin
 If skin contact occurs, wash skin thoroughly
 Wear Protective gloves and eye protection during work
 If In eyes, hold eyes open, flood with warm water and seek medical attention immediately.

Warranty

The information and recommendations relating to the application of Costar products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costar endeavors to ensure that any advice, recommendation, specification of 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 of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costar reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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