

# COSTARMIX 200RX

High Performance Super Plasticizer for Slump Retention and High Strength Concrete



## PRODUCT DESCRIPTION

COSTARMIX 200RX is an exclusively designed, chloride-free SNF-based polymer, acting as a water-reducing, high-range, and retarding admixture. Its unique formulation is specifically aimed at enhancing workability, durability, and reducing permeability in concrete.

By dispersing the fine particles within the concrete mix, Costarmix 200RX optimizes the effectiveness of the water content in the concrete. The remarkable water reduction capabilities enable significant strength gains to be achieved.

## 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 which 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 pumpability.
- Chloride free, safe for use in prestressed 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.

## DOSAGE

The optimum dosage of Costarmix 200RX 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 2.0% by weight of cement.

## OVERDOSING

A dosage 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.

Particularly suitable for precast concrete and other high early strength requirements.

## DISPENSING

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

## SPILLAGES

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

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## TECHNICAL PROPERTIES

<b>Packaging</b>	20L, 210L, 1000L
<b>Appearance</b>	Dark Brown Liquid
<b>Shelf life</b>	12 months minimum from production Date
<b>Density</b>	1.16 + 0.02kg/litre
<b>Base Formulation</b>	SNF Base
<b>PH</b>	7.0 ± 1
<b>Recommended dosage</b>	Recommended dosage: 1 - 2.0 % by weight of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required
<b>Chloride content</b>	Nil as per BS 5075
<b>Air entrainment</b>	Less than 2% as per ISO 9103
<b>Water reduction</b>	> 20 - 30% compared with Reference mix
<b>Corrosion behavior</b>	Component were selected according to EN934-1: Annex A.1
<b>Retention of consistence</b>	At 45 mins > Reference mix at initial

## SAFETY PRECAUTIONS

- Keep away from contact with eyes and skin.
- In case of skin contact, thoroughly wash the affected area.
- While working, always wear protective gloves and eye protection.
- If the product comes into contact with your eyes, open your eyes wide, rinse with warm water, and seek immediate medical attention.

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## SHELF LIFE

Shelf life in unopened original containers is 12 months when stored at 70°F (21°C).

## STANDARD COMPLIANCE

Conforms to the requirement of ASTM C 494 Type D & G

## HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product.
- *For Professional Use only.*

## ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

## LEGAL NOTE

The information and recommendations relating to the application of Costarchem 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 Costarchem 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. Costarchem 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.