

# COSTARMIX 200R

High Performance Water Reducing and Retarding Admixture



## PRODUCT DESCRIPTION

COSTARMIX 200R is an exclusively formulated, ready-to-use admixture based on SNF polymers, aimed at high-range water reduction and high slump retention time, designed to produce high slump concrete with enhanced workability, durability, and reduced permeability. Supplied in liquid form, COSTARMIX 200R is readily mixed with the concrete's water content. For optimal results in plasticizing and water reduction, it is recommended to add the admixture after incorporating 70-80% of the mixing water.

## FEATURES

This product offers several advantages, including:

- Reduced long-term shrinkage and creep, while minimizing the risk of segregation and bleeding.
- Enhanced workability, air entrainment, and pumping properties of the concrete.
- Increased compressive and flexural strength of the concrete at both early and final stages.
- Protection of reinforcement steel against harmful water-borne attacks.
- Minimized need for on-site adjustments to slump and workability.
- Enables meeting specified strength grades with reduced cement content and increased workability.
- It is chloride-free, making it safe for use in pre-stressed and reinforced concrete.

## AREA OF USE

- Achieve high-strength, premium-grade concrete through significant water reduction, leading to low permeability and excellent early strength.
- Create highly workable concrete that requires minimal or no vibration during placement.
- Costarmix 200R is a versatile product suitable for producing various types of concrete, including ready-mix, pumped concrete, and micro silica concrete, among others.
- Utilize it to produce workable concrete with reduced overall water content and for applications where top-notch concrete quality is essential.

## 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 Cotarmix 200R should be added along with the gauging water. For best results, add Costarmix 200R in the last phase after pre-wetting the mix with 70-80% 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>	1.15 + 0.02kg/litre
<b>Base Formulation</b>	SNF Base
<b>PH</b>	7.0 ± 1
<b>Recommended dosage</b>	Recommended dosage 1.0 – 2.0 % by weight of cement. It advisable to carry out trial mixes to establish the exact dosage 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, BS934-2

## 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.