

# COSTARMIX 200SF

WATER REDUCING, FAST SETTING, WATERPROOFING  
AND GLOSSY EFFECT ON CONCRETE



## PRODUCT DESCRIPTION

Costarmix 200SF is a water-reducing, fast-setting admixture with water-resistant properties that imparts a glossy effect on concrete. Specifically formulated based on precise specifications, this product provides concrete with protection against moisture absorption, effectively preventing the growth of algae, mold, and other undesired elements.

Costarmix 200SF offers the advantage of reducing cement consumption by up to 5% of the batch quantity without compromising the required strength of the concrete. This leads to a reduction in production costs while ensuring the maintenance of a high-quality end product.

## ADVANTAGES

- Offers rapid development of high early age strength, enhancing overall productivity.
- Free from chlorides, making it a suitable choice for concrete that contains embedded steel.
- Its water-reducing and glossy effect properties make it highly effective for applications in kerbstones, paving stones, and hollow blocks.
- The increased final strength allows for earlier removal of formwork.
- Improves the rheology of concrete, resulting in a smooth surface finish without blemishes.
- Compatible with all types of cement.
- Produces concrete with outstanding durability, low permeability, and a remarkable water-reducing, glossy effect.

## AREAS OF APPLICATION

- Ideal for producing Self Compacting Concrete (SCC).
- Concrete of high waterproofing.
- Paving stone, kerb-stone, hollow concrete
- Used in concrete production where high early and final strength is required.

## DOSAGE

Typical dosage for Costarmix 200SF is within the range 1 – 2.5 % by weight of cement.

## EFFECT OF OVERDOSAGE

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.

## DISPENSING

The measured quantity of Costarmix 200SF should be added along with the gauging water. For best results, add Costarmix 200SF 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, 25L, 210L, 1000L  |
| <b>Appearance</b>           | Light brown liquid   |
| <b>Shelf life</b>           | 12 months minimum from production date   |
| <b>density</b>              | 1.19 + 0.02kg/litre  |
| <b>PH</b>                   | 7.0 ± 1  |
| <b>Recommended dosage</b>   | 1 – 2.5 % by weight of cement, depending on the required performance of the concrete.<br><br>Usual 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>Compressive strength</b> | Fulfilled  |
| <b>Corrosion behavior</b>   | Component were selected according to EN934-1: Annex A.1  |

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## SHELF LIFE

Shelf life is 12 months provided the temperature is kept within the range of 5°C to 50°C.

## STANDARD COMPLIANCE

Conforms to the requirement of ASTM C494 type C & S

## HEALTH & SAFETY

- 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, flush with warm water and seek
- Medical attention immediately

## 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.