

COSTARMIX 200

Complete High-Performance Water Reducing Super Plasticizer



PRODUCT DESCRIPTION

COSTAMIX 200 is a SNF based, high ranged water reducer, specially formulated to improve workability, durability and also reduces permeability, CostarMix 200 improves concrete plasticity and hardening. Concrete casted with Costamix 200 required less cement for its mix designs thus increasing its strength gain. Batching water is also reduced without loss of workability.

ADVANTAGES

- Costamix 200 is used to produce various ranges of concrete such as ready-mix, pumped concrete etc.
- Used to produce workable concrete with lower total water content and wherever high-quality concrete is required.
- Costamix 200 is also used for hot weather concreting
- Costamix 200 is used where delayed setting is required.

USES

- Reduced dimensions of long term shrinkage and creep. Also minimizes risk of segregation and bleeding
- Improved workability and pumping properties
- Chloride-free and suitable for pre-stressing
- Increased compressive and flexural strength of the concrete.
- Protection of reinforcement steel against detrimental water-borne attack.
- Reduces concrete porosity.
- Compatible with all types of Portland cement including sulfate resisting cement (SRC).

DOSING

The optimum dosage of Costarmix 200 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

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. Slight overdosing of CostarMix 200 may not adversely affect the ultimate strength of the concrete and can achieve higher strengths than normal concrete, provided it is properly compacted and cured

DISPENSING

The measured quantity of Cotarmix 200 should be added along with the gauging water. For best results, add Costarmix 200 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

Packaging	20L, 210L, 1000L
Appearance	DarkBrown Liquid
Shelf life	12 months minimum from production Date
Density	1.14 + 0.02kg/litre
Base Formulation	SNF Base
PH	7.0 ± 1
Recommended dosage	Recommended dosage 1.0 – 2.0 % by weight of cement. It advisable to carry out trial mixes to establish the exact dosage required
Chloride content	Nil as per BS 5075
Air entrainment	Less than 2% as per ISO 9103
Water reduction	> 20 – 30% compared with Reference mix
Corrosion behavior	Component were selected according to EN934-1: Annex A.1
Retention of consistence	At 30 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 E, BS 934-2

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.