



COSTARMIX 200M

High Performance Water Reducing Super Plasticizer

PRODUCT DESCRIPTION

COSTARMIX 200M is a Super Plasticizer, with high water reducing capability formulated to improve workability, durability and also reduces permeability. Whilst still improving the plastic and hardened properties of the concrete, mix designs with Costarmix 200M gives cement reduction. Batching water is also reduced without loss of workability.

ADVANTAGES

- Reduced dimensions of long-term shrinkage and creep. Also minimizes risk of segregation and bleeding
- Improved workability, air entrainment and pumping properties
- Chloride-free and suitable for pre-stressing
- Increased compressive and flexural strength of the concrete both at early and final stage.
- Reduces the need for job site adjustment of slump and workability.
- Allows specified strength grades to be met at reduced cement content and increased workability.
- Chloride free, safe for use in pre-stressed and reinforced concrete.

USES

- To produce high strength, high grade concrete by substantial reduction in water resulting in low permeability and high early strength.
- To produce high workability concrete requiring little or no vibration during placing.
- Costamix 200M 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.

DISPENSING

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

SPILLAGE/CLEANING

- 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.

DOSING

Optimum dosage should always be determined by trials using the materials and conditions that will be exposed in use to meet specific requirements.

Typical dosage for costarmix 200M is within the range of 1 – 2% per 50kg of cementitious material.

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.

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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TECHNICAL PROPERTIES

Packaging	20L, 210L, 1000L
Appearance	Brown Low Viscous Liquid
Base Formulation	SNF base
Shelf life	12 months minimum from production Date
Density	1.18 + 0.02kg/litre
PH	7.0 ± 1
Recommended dosage	Recommended dosagee 1.0 - 2 % 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 45 mins> Reference mix at initial



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PACKAGING

1000L tank, 210L drum & 20L gallon

SHELF LIFE

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

STANDARD COMPLIANCE

- Costamix 200M is formulated to comply with all the requirements of ASTM C494, TYPE A&F
- En943, Part 2, Tables 1&2.

HEALTH & SAFETY

- Avoid Contact with eyes and skin
- If skin contact occurs, wash skin thoroughly
- 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.

