

COSTARMIX 200MH

High Range Water Reducing and Retarding Admixture with High initial Slump and Retention Time



PRODUCT DESCRIPTION

COSTARMIX 200MH is an exceptional water-reducing admixture based on SNF (sulfonated naphthalene formaldehyde) with an extended retention time, specifically engineered to create high slump concrete with enhanced workability, durability, and reduced permeability.

This ready-to-use liquid admixture is easily incorporated into the concrete mix, along with the mixing water. For optimal plasticizing and water reduction results, it is recommended to add the admixture after 70-80% of the mixing water has been included in the concrete mix.

FEATURES

- Exhibits a prolonged initial slump retention time.
- Enhances workability, air entrainment, and pumping properties of the concrete.
- Suitable for producing flowing concrete, facilitating easier construction with faster placing and compaction without increasing water content.
- Improves the compressive and flexural strength of the concrete at both early and final stages of development.
- Reduces long-term shrinkage and creep while minimizing the risk of segregation and bleeding.
- Chloride-free and suitable for pre-stressing applications.
- Provides protection to reinforcement steel against harmful water-borne attacks.
- Minimizes the need for on-site adjustment of slump and workability.

AREA OF USE

- To provide excellent strength at early ages and major increases in strength at all ages by significantly reducing water demand in a concrete mix.
- Costarmix 200MH is used to produce various ranges of concrete such as ready-mix, pumped concrete, micro silica concrete etc.
- Used to produce durable and workable concrete with lower total water content.

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 200MH should be added along with the gauging water. For best results, add Costarmix 200MH 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	Dark Brown Liquid
Shelf life	12 months minimum from production Date
Base Formulation	SNF Based
Density	1.17 + 0.02kg/litre
PH	7.0 ± 1
Recommended dosage	Recommended dosage 1 - 2.0 % by weight of cement. It is 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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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 G, 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.