

Chem VMA

Viscosity Modifier Agent

Description:- Chem VMA is ready-to-use, liquid admixture that is specially developed for producing concrete with enhanced viscosity and controlled rheological properties. Concrete containing admixture exhibits superior stability, thus increasing resistance to segregation and facilitating placement and consolidation.

Characteristic Parameters

Test Parameters	Specification
Appearance	Clear Colourless Liquid
Specific Gravity at 27°C	1.01 ± 0.02
pH at 27°C	8 - 9

Advantages

- ❖ It controls bleeding.
- ❖ It provides flexibility in mixture proportioning and batching.
- ❖ It provides concrete stability during transport and placement.
- ❖ It reduces segregation, even with highly fluid concrete mixtures.
- ❖ It enhances pumping and finishing

Applications

- ❖ Shelf compacting concrete and mortar.
- ❖ Precast.
- ❖ Structures.
- ❖ Building.
- ❖ Lean concrete.
- ❖ Self-consolidating grouts.

Performance Characteristic

Setting Time: It has negligible impact on concrete setting time with respect to the recommended dosage range of 0.2 - 0.6 % by weight of cementitious materials.

Compressive Strength:- It can slightly increase the compressive strength of concrete.

Viscosity:- It will increase viscosity with increasing dosage of the VMA admixture in concrete. This desirable characteristic facilitates concrete placement, consolidation and finishing and provides stability to very fluid concrete mixtures.

Workability:- Concrete containing VMA can increase in viscosity if left in a mixing vessel without agitation because of its thixotropic properties. Workability can be restored by simply remixing the concrete mixture.

Dosage:- Optimum dosage of Chem VMA should be determined in trial mixes. As a guide, 0.2-0.6 % by weight of cementitious materials (as per concrete mix design)

Health & Safety

- ❖ Before handling the product wear Nose mask, Hand gloves & Goggles.
- ❖ Avoid contact with skin / eyes, and avoid swallowing.
- ❖ If contacted with skin, clean immediately with plenty of clean water.
- ❖ Ensure adequate ventilation and avoid inhalation of vapor.

Packing:- 50 Liter and 200 Liters barrel.

Shelf-Life and Storage Condition: - Shelf life is 12 months from the date of manufacturing if stored properly in undamaged and unopened original sealed drum. Keep in dry and cool place & temperature should be +10°C to + 30°C.

Our other products ranges are:-

- Concrete Admixtures
- Sealants & Primer
- Industrial Floorings
- Concrete Repair Products
- Mould Release Agents
- Adhesive for Tiles, Marbles and Stones
- Concrete Curing Compounds
- Waterproofing Chemicals
- Industrial Grouts
- Concrete Hardeners
- Concrete Bonding Agents
- Joint Filler Grouts for Tiles, Marbles and Stones

Offshore

Important Note:- Offshore Chemox products are confirming standard manufacturing specification and procedure. Offshore Chemox products are given in good faith based on Offshore Chemox current knowledge and experience of the products when properly stored, handled and applied under normal conditions. Offshore Chemox product are confident against defective materials and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Offshore Chemox endeavors to ensure that any advice, recommendation, specification or 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 or information given by it.

OFFSHORE CHEMOX

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