

Product Description

TechnoCrete MS is supplied as a fine powder and is added to the concrete mix early during the mixing process. The resultant low permeability concrete will exhibit improved mechanical properties, and increased resistance to the effects of chlorides, sulphates, gases, frost attack and alkali silica reaction.

Uses

TechnoCreteMS is primarily used to improve the properties of hardened concrete where a reduction impermeability, increased durability and resistance to chlorides, sulphates, abrasion, frost attack and alkali silica reaction are required.

Advantages

- Significantly reduces permeability by minimising the penetration of moisture and aggressive elements
- Significant reduction in chloride ion penetration by reducing continuous capillary pores
- Improved mechanical properties

TechnoCrete MS Conforms to ASTM C1240-95a.

Properties

Properties	Chemical Analysis
SiO ₂	Min. 85%
Alkalis as Na ₂ O	Max. 1%
Loss on ignition	Max.5%
Bulk density Approx.	610 kg/m ³

Dosage

Typically 4 to 10% by weight of cement depending upon the specific need. The optimum dosage of Conplast MS to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use.

Please note higher addition levels are generally required where the high performance concrete such as high strength concrete or underwater concrete is a pre-requisite.

Application Instructions

Dispensing and mixing

TechnoCreteMS should always be added in the early stages of the mixing process. It is recommended that TechnoCrete MS be weight batched to the required quantity prior to addition to the mix.

In dry batching operations, TechnoCreteMS should be dry blended with aggregates and cement prior to the addition of water to the mixer. In wet batching operations TechnoCrete MS should be added to the mixer at the same time as the cement. Conplast MS can if required, be added to the mixer in slurry form.

In order to achieve a low water cement ratio, the use of high range water reducing admixtures such as TechnoCrete A333 or TechnoCrete GFH are highly recommended.

Placing

When producing concrete with TechnoCrete MS we suggest a target slump in the range of 25 to 35 mm in excess of the normal slump requirement, this will accommodate the additional cohesion promoted by the use of TechnoCreteMS.

Concrete produced with TechnoCrete MS will have greatly improved cohesive qualities.

Estimating

TechnoCrete MS is available in 15 kg bags

Shelf Life

TechnoCreteMS has a minimum shelf life of 12 months if stored in a dry location in unopened packs.

Health & Safety

TechnoCreteMS is non-flammable. It may cause dust pollution and irritation to respiratory tract. Hence wear suitable dust mask, protective gloves and goggles while handling the material. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

Important: Technokem products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, Technokem does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.

For Complaints/Suggestions:

Please write to our Customer Care Executive at

TechnoKem Manufactures of Construction Chemicals

#301, Krishna Classic, Road No.17,
Plot No. 51, Sardar Patel Nagar,
Kukatpally, Hyderabad - 500085,
Off: 040 - 29559256



info@technokem.com

www.technokem.com

An ISO: 9001: 2015 Accredited Company