



Cementmix Plus

Integral Liquid Waterproofing (ILW+) for cement and plaster

Product composition: Cementmix Plus is a specially formulated additive composed of cement compatible, corrosion inhibitor, surface additives, polymers and other agents. It improves the integral waterproofing properties of cement concrete and plasters after curing. It is used as an additive for cement concrete/plaster/mortars, because of its plasticizing properties that make concrete denser and prevent segregation.

USP

Features	Benefits
Workability	Improves workability without increasing water content
Cohesiveness	Makes the concrete more unified, hence prevents bleeding and segregation
Permeability	Enhances impermeability of water into reinforced structure
Corrosion inhibition	It passivates the reinforcement corrosion in the concrete structure
Breathing	Retains the breathability of concrete
Setting time	Minor increment in setting time with respect to that of control
Economy	It is a cost-effective compound as compared to other waterproofing materials
Shrinkage	Eliminates crack development in plaster and concrete by reducing shrinkage

Usage area

Waterproofing of sand, cement mortar and structural mass concrete. Can be used in various areas such as : External plastering, basements, water tanks and water containing structures, bathrooms, roof slabs and renderings, sewerage works, canals, culverts etc., wherever waterproof concrete is required.

DIRECTIONS FOR USE

Charge cement and aggregates to the concrete mixer as per the mix design. Mix the dry ingredients for 2-3 minutes in dry condition. Start addition of water into the mix for up to 80% of the total quantity and mix for 3-4 minutes. Cementmix Plus is to be added according to the recommended dosage into the remaining gauging water. Then add to the mixer and mix for another 2-3 minutes. Discharge the concrete-plaster for application. Cure the application as per good construction practices.

Usage precautions

Do not add Cementmix Plus directly to dry cement and aggregate mix. Do not exceed the dosage of Cementmix Plus than recommended quantity. Maintain water-cement ratio as low as possible.

TECHNICAL DATA

Properties	Specifications	Standards
Aspect	Dark brown coloured liquid	NA
Specific Gravity@ 30°C	1.05 ± 0.02	NA
Dry Content (%)	9.0 ± 1.0	NA
pH value	8.5 ± 2.5	NA
Setting Time (min)	Initial : Not less than 25% of control Final : Not greater than 25% of control	IS : 2645 – 2003
Compressive Strength	7 Days ≥ 44 N/mm ²	IS : 2645 – 2003
Chloride Content	Less than 0.1%	IS : 2645 – 2003
Water Permeability	26% of control	IS : 2645 – 2003

PRODUCT INFORMATION

1	Shelf Life	12 months from the date of manufacturing in unopened condition.	6	Health and Safety Precautions	Do not consume. In case it happens by mistake, call doctor immediately. Induce vomiting. In case of contact with skin, wash with plenty of water. While using Cementmix Plus, use rubber gloves and safety goggles. Keep out of reach of children.
2	Storage	Store in cool and dry place.			
3	Dosage	200 ml per 50 Kg bag of cement.			
4	Standard Compliance	Complies with IS: 2645-2003 Standard.			
5	Packs	500 ml, 1ltr, 5ltr, 20ltr.			

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