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M17 MX Toz

Construction Chemicals > Waterproofing Products > Structural Waterproofing Products

M17 MX Powder is a single-component, cement-based, polymer-modified concrete additive that provides waterproofing properties through the activation of special chemicals within it.

Fields of Application

- In the concrete of foundations, retaining walls, and basement walls
- In the concrete of clean and wastewater treatment plants
- In galleries and tunnels
- In pile concretes

Advantages

- Capillaries in the concrete, included in the internal structure of the concrete fills potholes and hairline cracks up to 0.4 mm.
- Provides waterproofing for single-sided formwork retaining walls.
- Breathable: waterproof yet allows vapor transmission.
- Resistant to chemicals.
- Ensures waterproofing throughout the lifespan of the concrete due to its special active chemicals.
- Reduces labor time.

1 Preparation

Mix 16 kg of MX powder additive with approximately 8 liters of water using a low-speed drill until it is free of lumps and forms a slurry. The obtained mixture is then added to the rotating concrete mixer.

2 Consumption Amount

The MX mixture should be added at an optimum usage with a cement quantity of 1% by ratio.

3 Packaging

In 16 kg PE reinforced kraft bags.

4 Storage Life

At least 12 months in sealed packaging and protected from freezing.

5 Health and Safety

During use and storage of the product, ensure it is not kept in the vicinity of food items. Avoid contact with skin, eyes, and mouth; if contact occurs, wash thoroughly with plenty of soap and water. Store out of reach of children in a secure location. For detailed information, refer to the MSDS (Material Safety Data Sheet).

6 Dikkat Edilecek Hususlar

- After adding MX mixture to the concrete mixer, it should be mixed at high speed for a minimum of 10 minutes.
- MX powder additive should be mixed with water first to form a slurry before adding to the concrete to prevent clumping.
- To ensure impermeability while maintaining workability, minimize the amount of water in the concrete and use a superplasticizer instead of water.
- In low-slump concrete and for homogeneous mixtures, ensure that the slump in the mixer is not less than 14-15 cm to avoid issues.
- During initial mixing, the mortar may appear high-viscosity, but as it is mixed, its consistency decreases, becoming more suitable for application. Therefore, do not add water or powder to well-mixed mortar.
- After pouring MX-mixed concrete, vibration should be applied. Measure the water amount accurately each time; if needed, use a measuring cup to prevent excessive or insufficient water usage.
- Apply curing to the treated areas for the first 3-4 days after application.

TECHNICAL DATAS

Material Structure	Mineral Fillers, Polymer Modified Additives, and Cement
Appearance	Gray-colored powder
Bulk Density (Powder)	1.75 kg/l
Bulk Density (Wet)	2.00 kg/l
Curing Time	3 - 4 days
Shelf Life	12 months in unopened packaging in dry conditions
Packaging	16 kg PE reinforced kraft bag