

MW+

Multipurpose Primer for Waterproofing, Repair & Surface Preparation

Description

MW+ is an advanced, high-performance integral waterproofing liquid admixture formulated specifically to enhance the durability and longevity of cement-based applications. Engineered with a specialized blend of surface-active plasticising agents, reactive polymers, and performance additives, it is designed to be used as an essential additive for cement concrete, mortars, and plasters.

When introduced to the mix, MW+ actively modifies the cement matrix during the hydration process. Its plasticising properties significantly improve the workability of the mix while simultaneously allowing for a reduction in the overall water-cement ratio. This vital reduction minimizes the formation of interconnected capillary networks and micro-pores that typically allow water ingress.

Furthermore, MW+ ensures the concrete remains highly cohesive, strictly preventing aggregate segregation and water bleeding during placement.

Fields of application

Waterproofing of concrete and sand-cement mortars used in:

- Basements.
- Roof slabs and screeds.
- Water tanks & water retaining structures.
- External plastering.
- Bathrooms and balconies.
- Sumps and drains.

Features and Benefits

- Corrosion resistant: Makes concrete more cohesive, hence protects steel better against corrosion.
- Compatibility: Being a liquid, easily dispersible & compatible with concrete/mortar mixes.
- Permeability: It reduces the permeability of water into concrete.
- Strength: The setting time and compressive strength of the concrete remains within the specification limits.
- Shrinkage: Reduces shrinkage crack development in plaster & concrete.
- Workability: Improves workability of freshly mixed cement concrete.
- Durability: Increases durability by improving waterproofing of concrete.

Technical Data

Colour	Light brown
Appearance	Free Flowing Liquid
Density / Specific Gravity	Approximately 1.05 g/ml
Setting time, minutes	2645:2003 Passes
Chloride content	2645:2003 0.03%
Water permeability	2645:2003 Passes
Compressive strength N/mm ²	2645:2003 As per the standard
pH value	11 to 12

Application Procedure

- Charge cement & aggregates to concrete mixer as per the mix design, mix in dry state for 1-2 minutes.
- Start addition of 75-80% mixing water & mix for 2-3 minutes.
- MW+ is added as per the recommended dosage into the remaining mixing/gauging water, then add to concrete mixer & mix for another 2 minutes.
- Place the concrete or apply plaster, as needed.
- Cure the applied mortar or concrete as per good construction practices.

Consumption

200 ml per 50 kg bag of cement.

Packaging

1 ltr, 5lt, 20 ltr

Storage

12 months in original, unopened package.

Shelf Life

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight

Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

Cautions/Limitations

- Do not add MW+ directly to dry cement & aggregate mix.
- Maintain water-cement ratio as low as possible.
- Do not increase the dosage of MW+ than the recommendation.

Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection.

Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

Limited Warranty: This product is subject to a written limited warranty which can be obtained free of charge from Carbosil Company. Please contact with technical service department for further information and support.