

# ARMOPRIME WB

## Water Based Epoxy Primer

### Description:

ARMOPRIME WB is a two component water based, environmentally friendly epoxy primer. It has an excellent adhesive bond between the substrate and the epoxy or polyurethane floor coating. The primer adheres to a variety of substrate.

### Uses:

ARMOPRIME WB is used as an adhesion coat on supports like concrete, ceramics, before subsequent flooring systems:

- Laboratories
- Medical faculties
- Pharmaceutical companies
- Contained areas
- Mild humid surfaces

### Advantages:

- Excellent penetration to substrate.
- Excellent mechanical properties.
- Low odor.
- Environmentally friendly.
- Priming early casted concrete (14 days).

### Instructions for Use:

#### Surface Preparation:

All surfaces should be sound, clean, dry and free from loose material, efflorescence, laitance, curing compounds, dirt, oil and grease. Ensure that concrete floors are fully cured.

Prepare surface utilizing mechanical preparation method: grinding, captive blasting, sand blasting in order to provide suitable profiled open texture surface. If the substrate is restricted to access, utilise preparation by handy mechanical tools.

All repairs to cracks, levelling of floor, voids filling should be completed by LAVAPOXY and LAVAPOXY FINISH, epoxy based repair products. Once the repair is completed, allow the product to cure then remove the dust from the surface. Metal surfaces must be perfectly cleaned up to the white metal by sand blasting. Consult MATEX Technical Department for further advice.

### Mixing:

ARMOPRIME WB must be mixed mechanically with low speed drill mixer fitted with suitable paddle. To prepare the mix, add the contents of Part B (hardener) to Part A (base) container, and mix for minimum of 3 minutes till obtaining a homogeneous mix. Then, slowly add 4.5 Ltr. clean cold water to the mix (A+B) under constant stirring. Do not mix partially the base and the hardener. Mix the complete kit at a time.

### Application:

Apply ARMOPRIME WB with brush, roller or spray machine. Apply to substrate in rich amount to ensure proper penetration and coverage of the surface. The application rate varies between 4-5 m<sup>2</sup>/Lt., dependent on the porosity of substrate. For very porous substrate apply two coats of ARMOPRIME WB. If the primed surface is not over coated with the subsequent product within 24 hours, a fresh coat of primer has to be applied again.

### Standards:

- ASTM D4541

TECHNICAL PROPERTIES	
Appearance	Fluid Liquid
Color	Milky Liquid
Density	1.00± 0.03 kg/lit
Pot-life time at 25°C	45 minutes
Dry Residual	65%

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Hardening at 25°C recoat interval	5 hours
Application Temperature	+5°C to +40°C
Adhesion Strength (ASTM D4541)	>2.5 N/mm <sup>2</sup> (cohesive failure on concrete)

\*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

## Coverage:

ARMOPRIME WB achieves a coverage of approx. 4-5 square meters per liter @ 100 micron DFT.

\*Coverage rate is an approximate value, and subject to actual site conditions.

## Packaging:

ARMOPRIME WB is available in 15 liter dual metal containers.

## Storage:

Store in original packing in dry conditions away from direct sunlight in temperature controlled warehouse. Store at +15°C to 25°C

## Shelf Life:

ARMOPRIME WB can be utilized within 12 months of production date if stored in proper conditions in an unopened original packing.

## Cleaning:

Clean tools and equipment with water before material hardens. Hardened materials can only be removed mechanically.

## Health and Safety:

Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

## FIRST AID:

- Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
- Skin: Wash skin thoroughly with soap and water
- Inhalation: Remove to fresh air, keep patient rested
- Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to ARMOPRIME WB Material Safety Data Sheet.

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