

# ARMORPRIME WB

## PRODUCT #1080

Two-Component Water-Based Primer

### PRODUCT DESCRIPTION

**ArmorPrime WB** is an aqueous emulsion, two-component, 50% solids (58% when pigmented), water-based epoxy primer for application over concrete substrates, which creates a tenacious bond with the concrete. Excellent for priming most substrates prior to the application of an epoxy or urethane coating for most Thermal-Chem floor systems. **ArmorPrime WB** primer has excellent adhesion characteristics, even when applied over damp concrete surfaces (no standing water), and will not produce an amine blush. **ArmorPrime WB** has a relatively fast cure time, which allows application of subsequent coats to be applied much quicker. **ArmorPrime WB** primer is a "0" VOC product with virtually no odor, and is ideal for interior use where odors could be a problem. **ArmorPrime WB** is excellent for sealing old or new concrete to help prevent bubbles from occurring that are typically associated with concrete out-gassing. When applied to rough or heavily abraded surfaces, a second coat may be required. The minimum application temperature for **ArmorPrime WB** is 55°F.

Typical application thickness ranges from 2.5 to 3.0 dry mils.

Degrees	Recoat Time	
	Epoxy	Urethane
77°F	3 hrs.	6-8 hrs.
60°F	6-8 hrs.	14-16 hrs.

The above table assumes ambient temperature, material and substrate are equal and material is applied at 5-6 mils in thickness.

### USES

Typical uses for the **ArmorPrime WB** primer include:

- Primer for coatings in warehouse and aisle ways.
- Primer for automobile repair shop coatings.
- Where a high-build primer (6 to 20 mils) is not required.

And, where the following performance qualities are required:

- A damp concrete primer (no standing water).
- Tenacious bond to concrete substrates.
- Reduced out-gassing bubbles from porous substrates.

### ADVANTAGES

- Provides a "0" VOC application.
- Quick tack free and re-coat times at 70° to 75°F.
- Virtually no odor during application.
- Excellent substrate adhesion.
- Can be applied to a damp substrate (not standing water).
- With proper surface preparation, may be applied over old epoxy coatings.

### LIMITATIONS

- Do not use as a top coat.
- Limited substrate temperature of 55° F during application.
- Substrates should be misted with water, using a garden-type sprayer, when surface temperatures reach 90° F or above.
- Do not apply when relative humidity is above 85% and there is no air movement.

## COLOR and TEXTURES

- Straw
- May be field pigmented using TC ColorThane, a universal pigment.

## PRODUCT APPLICATION

The **ArmorPrime WB** can be applied directly over dry or damp substrates, and can be used **System** in applications where hydrostatic or vapor transmissions could be a potential hazard; and can be used with any of the Thermal-Chem complimentary and repair products.

Application:

- A neat system by squeegee and backrolling or applied by roller from a paint tray; at approximately 300 to 400 square feet per gallon.

## PRODUCT AVAILABILITY

Products are manufactured and available through the Thermal-Chem Corporation, 2120 Roberts Drive, Broadview, IL 60155 U.S.A.

Tel: 800/635-3773 ■ 847/288-9090

Fax: 847/288-9091

E-Mail: [sales@thermalchem.com](mailto:sales@thermalchem.com)

Website: [www.thermalchem.com](http://www.thermalchem.com)

## TECHNICAL/SPECIFICATION SERVICES

Additional Product Data, complete Technical Support and Product Specifications are all available through Thermal-Chem Corporation; or their local representatives.

Every reasonable precaution and effort has been taken in the manufacturer of all Thermal-Chem products to comply with the published product data. Actual product performance may vary slightly due to environmental influences and/or conditions.

## PRODUCT HANDLING

Read the Material Safety Data Sheet thoroughly before use.

**Warning:** For professional use only. Avoid contact of uncured material with skin and eyes. Contact with skin may result in irritation. Wash skin with soap and water. If contact with eyes should occur, flush with water for 15 minutes and seek immediate medical attention.

## LIMITED WARRANTY

Thermal-Chem Corporation warrants its product to be of good quality and will replace any product proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement, **THERMAL-CHEM CORP. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS**, and Thermal-Chem Corporation shall have no other liability with respect thereto, including without limitation, liability for incidental or consequential damages. Any claim regarding product defect must be received in writing within one hundred and eighty (180) days from the date of shipment. No claim will be considered without such written notice or after the specified time interval. The user shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.