



## MASTER WHOLESALE “M-BOND” BONDING AGENT

### PRODUCT DATA SHEET

**DESCRIPTION:** Master Wholesale “M-Bond” bonding agent is a premium quality liquid latex bonding agent and mortar additive, suitable for interior and exterior applications. Master Wholesale M-Bond is a low odor, one time re-emulsifiable copolymer emulsion designed to prepare surfaces for cementitious repair and leveling mortars. The superior adhesion, ultraviolet light resistance and water resistance of M-Bond provides superior bonding to substrates. Use M-Bond in the repair of plastered ceilings and walls, concrete and stucco surfaces. M-Bond is required over all substrates prior to installing MWI Self-Leveling Underlayment. M-Bond is ammonia free which eliminates a source of chemical irritation for field applications. This low odor feature is especially beneficial for interior construction or repair projects.

#### AREAS OF USE

- Interior and Exterior applications
- Bonding agent for cementitious mortars
- Wet and Dry areas
- Residential, commercial and industrial applications
- Horizontal and vertical areas
- Bonding agent for Self Leveling Underlayment
- Polymer modifier for cementitious materials

#### PACKAGING

1 gallon jugs	(3.79 liters)
5 gallon pails	(18.95 liters)
50 gallon drums	(189.5 liters)

**PROPERTIES:** The following table compares a modified and non-modified mortar, to show the benefits of an admixture, in pounds per square inch (psi).

	M-Bond	Non-Modified
Compressive Strength (ASTM C-109) 28 Days	4000 PSI	2500 PSI
Flexural Strength (ASTM C-348) 28 Days	1600 PSI	600 PSI

#### PRODUCT FEATURES:

- VOC content 2.5 grams per liter
- High solids copolymer emulsion

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- Clean up with water only
- Low odor
- Applied with exploded tip brush or broom, mason's brush or with pump sprayer
- Improved properties for mortars
- Provides excellent adhesion to substrates

## **APPROXIMATE COVERAGE:**

1 gallon jugs	335 - 650 sf (30.8 – 59.8 m <sup>2</sup> )
5 gallon pail	1,675 – 3,250 sf (154.1 – 299.0 m <sup>2</sup> )
50 gallon drum	16,750 – 32,500 sf (1,541 – 2,990 m <sup>2</sup> )

The values presented are typical averages and are intended to serve as a guide only.

**SURFACE PREPARATION:** Surfaces to be covered must be structurally sound, clean and free of dust, oil, grease, sealers, curing compounds, laitance, release agents or other surface contaminants. For smooth surfaces, we recommend mechanical abrasion to achieve an acceptable surface profile. The cleaning and preparation method selected depends on both the subfloor material and its condition. Acid etching is not recommended.

## **MIXING:**

**Bonding Agent:** For most applications over typical absorbent concrete, add one-part water to one part M-Bond. Mix thoroughly before applying to surface.

**Very Porous Substrates:** Double priming with M-Bond will require the first application be diluted with 3 parts water to 1 part M-Bond. When the first application is dry, apply a second coat diluted at 1 to 1 by volume.

**Self-Leveling Toppings:** All exposed wear surfaces toppings require a double-primed application of M-Bond. Double priming with M-Bond will require the first application be diluted with 3 parts water to 1 part M-Bond. When the first application is dry, apply a second coat diluted at 1 to 1 by volume.

**As Admixture:** Add 3 gallons of above 1 to 1 blend of premixed Master Wholesale M-Bond per bag of cement. Normal mixes require 3 parts sand to 1 part cement. A small amount of water may be added to improve consistency.

**APPLICATION (BONDING AGENT):** Apply a thin, even coat of M-Bond with pump sprayer, and thoroughly work into substrate with an exploded tip push broom or mason's brush. Do not leave any puddles of primer or dry spots. Apply a second coat

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over porous substrates after the first coat has dried for a minimum 3 hours or is completely dry. Allow M-Bond to dry before installing any mortar product. **Note:** Underlayments and toppings must be applied within 24 hours of the primer application.

**LIMITATIONS:** Do not apply directly over gypsum-based underlayments, vinyl covered wallboard, Masonite, particleboard, asphalt or vinyl sheeting, metal, plastic, glass, strip wood flooring, wet plywood or plywood in outdoor applications before consulting Master Wholesales technical service department for proper application over above substrates. Apply only in temperatures above 40°F (4.4°C), and do not allow the bonding agent to freeze. Do not apply in the rain or more than 24 hours prior to installing any mortar products.

**WARNING:** Master Wholesale M-Bond should not be used in non-vented areas for extended periods of time. Avoid contact with eyes and skin. In case of contact with eyes, flush with water and call a physician immediately. For skin contact, wash with warm soapy water. If material is swallowed, consult a physician immediately. Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels and technical literature. Please read this information prior to using product. Always make a trial installation first. Use only water based cures and sealers.

**NOTICE:** The information stated in this product specifications is given in good faith. Because use of this product is beyond the control of your distributor or the manufacturer, no warranty, expressed or implied, is given.

## **DISTRIBUTED BY:**

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