



# MASONS SUPPLY COMPANY

## OREGON

## WASHINGTON

### MASCOBOND SBR

#### DESCRIPTION

MASCOBOND SBR POLYMER BONDING AGENT is a high solids styrene butadiene rubber latex emulsion admixture. It is classified by the American Concrete Institute as a non re-emulsifiable bonding agent. It is designed for use as an integral bonding agent with cement-based products in slurry bonding coats, concrete, and mortars. It is used to improve adhesion to properly prepared substrates. It does not produce a vapor barrier.

#### USES

Cement based coatings, toppings, patching mortars, leveling compounds, stucco, and terrazzo.

#### FEATURES AND BENEFITS

- Increases flexural and tensile strength
- Improves bond strength
- Reduces shrinkage
- Resists water penetration
- Protects from freeze-thaw damage

#### COMPOSITION AND MATERIAL

MASCOBOND SBR is a milky white, water based emulsion of high solids styrene butadiene polymers and modifiers.

#### SURFACE PREPARATION

Surface must be structurally sound. Remove all deteriorated concrete, dirt, oil, grease, curing compounds, coatings and all bond-inhibiting materials from surface. New concrete and masonry surfaces must be cured 28 days. Preparation work should be done by high pressure water blast, scabber, or other appropriate mechanical means to obtain an exposed aggregate surface with a minimum surface profile of  $\pm 1/16$  inch. Saturate surface with clean water. Substrate should be saturated surface dry (SSD) with no standing water during application. Follow the surface preparation directions for the product in which MASCOBOND SBR is being used as an admixture.

#### MIXING INSTRUCTIONS

**Bonding slurry:** With mixer running, add MASCOBOND SBR with 1 part water, then add equal parts sand and cement to produce a creamy brush consistency. Mix only the amount that can be used within the working life of the product.

**Polymer admixture for mortar or concrete:** With mixer running, add MASCOBOND SBR (dilution varying 1 to 3

parts with water) depending on type of application, aggregate, then cement. Mix to desired consistency.

#### APPLICATION TECHNIQUES

##### **Bonding fresh mortar or concrete to hardened**

**concrete:** The properly prepared surface must be damp but free of standing water or puddles. Scrub bonding slurry thoroughly onto prepared substrate. Be sure entire surface and edges are coated. Apply mortar or concrete while bonding slurry is soft and plastic.

**Polymer modified mortar or concrete:** Must be placed immediately following bonding slurry. Trowel immediately and broom finish, if needed. Avoid over troweling or over finishing surface. It is impossible to achieve a hard steel trowel finish, MASCOBOND SBR is normally self-curing. In hot weather or windy conditions, as soon as possible, cure with damp burlap and a white-pigmented polyethylene film. Curing should continue for 24 hours.

APPLICATION	Dilution Ratio (by volume)	
	Mascobond SBR	Water
Slurry coat applied before overlay or patching mixes	1	1
Bonding mortars, tile mortars Cement, plaster parging	1 1	2 2
Pointing mortars	1	3
Overlays toppings patches (over slurry coat)	1	3

#### COVERAGE

**Bonding slurry:** 1 gallon of MASCOBOND SBR with water, sand and cement covers approximately 100 square feet on properly prepared surfaces. **Polymer admixture:** 1-1/2 to 3 gallons of MASCOBOND SBR per bag of portland cement depending on type of application; per 80 lb. bag of premix and water, use 1 qt. to 3 qt. depending on application.

#### CURING

As per ACI 308 Standard Practice for Curing Concrete, curing of portland cement mixtures is required. Moist cure with wet burlap or polyethylene or a water based compatible curing compound such as MASCO CURE &

SEAL WB. Curing compounds adversely affect the adhesion of following layers of mortar, leveling mortar or protective coatings. Moist cure should begin immediately after finishing. Protect newly applied material from direct sunlight, wind, rain, frost and freezing. Pretesting of curing compound other than MASCO CURE & SEAL WB is recommended. Do not use solvent based curing compounds. Refer to "CAUTIONS", for curing in water containment structures. In hot weather conditions refer to ACI 305R Hot Weather Concreting for more information. In cold weather conditions refer to ACI 306R Cold Weather Concreting for more information.

### CAUTIONS

MASCOBOND SBR is not a structural bonding agent. MASCOBOND HI-MOD epoxy adhesive is a structural bonding agent. Do not apply mixes modified with MASCOBOND SBR when the temperature is below, or expected to fall below 40°F. Do not use with air entrained cements. Excessive moisture and high humidity will slow curing time. Provide adequate ventilation when using MASCOBOND SBR in enclosed tanks, reservoirs or other areas where air circulation is limited. Air-cure cisterns, tanks or pools for minimum 7 to 10 days before filling with water. Concrete mix designs using MASCOBOND SBR should be evaluated and tested for performance and application properties prior to use. When used as an admixture for underlayment, always follow the directions of floor covering manufacturer concerning maximum moisture content and surface bond and perform required tests. Compatibility of MASCOBOND SBR with other manufacturers' products is not known and any application should follow both manufacturers' instructions. Always do a test section before proceeding with the job.

### PACKAGING

Available in gallons, five gallons, fifty-five gallons.

**Storage:** 50-85°F

**Protect from freezing.**

**Shelf Life:** 1 year, unopened, protected storage.

**Freight Class:** Class 55.

**DOT/UN Shipping Name:** Non-regulated

**DOT Hazard Class:** Non-regulated

**Shipping Name:** Non-regulated

### HAZARDS IDENTIFICATION

Skin contact may cause moderate irritation and dermatitis.

Eye contact may cause severe irritation and redness.

Extensive inhalation of vapors may cause irritation to the throat, lungs, skin, and nose; nausea; and headache.

Ingestion may cause irritation to the mouth and stomach.

### FIRST AID

For skin contact, remove and launder contaminated clothing. Extremely contaminated leather shoes should be discarded. Wash thoroughly with soap and water. If irritation persists, call a physician. For eye contact, flush

with water for 15 minutes. Call a physician. For inhalation, remove victim to fresh air. Call a physician.

### CLEANUP INSTRUCTIONS

Clean tools and equipment with detergent and water immediately following use. Clean drips, spills and smears while mix is still wet. Mixes containing MASCOBOND SBR are extremely difficult to remove if allowed to dry before cleaning.

### TECHNICAL SERVICE

For Technical Service on all Masons Supply products contact:

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