



# MASONS SUPPLY COMPANY

OREGON

WASHINGTON

## MASCOBOND EVA | REDISPERSIBLE LATEX BONDING AGENT FOR CONCRETE

### DESCRIPTION

MASCOBOND EVA is a ready to use, high build, film forming, **one time** re-emulsifiable, liquid bonding agent and polymer modifier for cement mortars. As a bonding agent, MASCOBOND EVA bonds new cementitious materials to existing surfaces. When fresh cementitious materials are applied to a MASCOBOND EVA coated surface, the MASCOBOND EVA rewets and develops a tenacious mechanical and chemical bond between the new material and the existing surface. As a polymer modifier, MASCOBOND EVA increases the strength and durability of the cementitious mortar when compared with the unmodified mix.

### USES

MASCOBOND EVA is used to bond fresh cementitious materials such as concrete, mortar, stucco, plaster and other cement materials to various existing surfaces including concrete, unglazed brick, tile and stone, concrete block, plaster or wood. MASCOBOND EVA can be used on interior or exterior surfaces. MASCOBOND EVA may also be used as a polymer modifier for cementitious mortars. MASCOBOND EVA increases the bond strength, flexural strength, mild acid resistance and permeability resistance of the mortar when compared to a similar unmodified mortar.

#### Material Properties @ 75° F (25°C)

Weight per gallon 8.9 lbs (approx)

Mixed Viscosity 500 – 1,000 cps

MASCOBOND EVA meets the following specification:

ASTM C-1059, Type I

### COMPOSITION AND MATERIAL

MASCOBOND EVA is a high build film, copolymer or ethyl vinyl acetate emulsion designed as a bonding agent and polymer modifier for cement mortars.

### 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.

### MIXING INSTRUCTIONS

Stir MASCOBOND EVA slowly and thoroughly using slow speed mixing equipment and a clean container. Do not aerate the MASCOBOND EVA with high speed mixers.

### APPLICATION TECHNIQUES

Minimum ambient and surface temperatures 50°F and rising at time of application.

**Bonding Agent:** Do not dilute. Apply to surface in a thin uniform coating by brush or broom. Dampen brush or broom before using and shake out water. Very porous surfaces may require 2 coats. When 2 coats are used, let the first coat dry and apply the second coat at a right angle to the first, cross-hatching the first coat. MASCOBOND EVA will dry in approximately one hour depending on the temperature and humidity. Do not apply material until MASCOBOND EVA has dried. MASCOBOND EVA is formulated to provide exceptional bond when first activated by moisture. If more than 24 hours pass re-apply. Refer to “CAUTIONS,” in water immersion applications.

**Polymer Modifier:** When using MASCOBOND EVA to produce a polymer modified mortar, add approximately 3 gallons of MASCOBOND EVA per 100 pounds of cement content in the mortar material. The properties achieved by using MASCOBOND EVA as a polymer modifier will vary depending on the composition of the mortar and complete evaluation should be completed prior to using the polymer modified mix. Use only light pressure on trowel and finish with as few strokes as possible. Keep trowel clean and wet to prevent sticking. Do not over-trowel.

### CURING

As per ACI 308 *Standard Practice for Curing Concrete*, curing of Portland Cement mixtures is required. Moist cure with wet burlap and/or white polyethylene film for 24-48 hours 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.

#### COVERAGE

200 – 250 square feet per gallon on dense surfaces. Porous surfaces may require more material. Do not exceed 300 square feet per gallon.

#### COMPLIANCES

ASTM C-1059, Type I

#### CAUTIONS

MASCOBOND EVA is not a structural bonding agent. MASCOBOND HI-MOD epoxy adhesive is a structural bonding agent. DO NOT use MASCOBOND EVA where constant moisture or hydrostatic pressure is present (swimming pools, cisterns or other areas that will be immersed). Do not dilute MASCOBOND EVA. Do not apply to frozen or frost filled surfaces. Do not apply mixes modified with MASCOBOND EVA when the temperature is below, or expected to fall below 50°F. Do not over-trowel, or overwork cement mortars modified with MASCOBOND EVA. Do not use with air entrained cements. Excessive moisture and high humidity will slow curing time. Provide adequate ventilation when using MASCOBOND EVA in areas where air circulation is limited. Concrete mix designs using MASCOBOND EVA 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 EVA 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

1 gallon plastic bottles, 5 gallon plastic pails, 55 gallon open top steel drums

**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

Excessive exposure to vapors or spray mist may cause irritation to the nose, throat, and respiratory tract. Direct contact with eyes can cause slight irritation. Prolonged or repeated skin contact can cause skin irritation or rash.

#### FIRST AID

**Inhalation:** Remove victim from exposure to fresh air.

If victim has difficulty breathing, administer oxygen.

If breathing has stopped, administer artificial respiration.

Seek medical attention.

**Eyes:** Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

**Skin:** Wash thoroughly with soap and water for at least 15 minutes. If irritation occurs, seek medical attention.

**Ingestion:** If swallowed, give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Seek medical attention.

#### CLEANUP INSTRUCTIONS

Clean tools and equipment with detergent and water immediately following use. Clean drips and over-spray with water while still wet. Dried MASCOBOND EVA may require mechanical abrasion for removal.

**TECHNICAL SERVICE:** For application procedures or surface conditions not specified above, please contact:

#### MASONS SUPPLY COMPANY

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masco.net

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7/10

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