

TECHNICAL DATA SHEET

Product: MASCOSEAL MATTE
Revision Date: 4/8/2015

DESCRIPTION

MASCOSEAL MATTE is a methacrylate cure and sealer developed specifically for exterior applications, including exposed aggregate and other architectural concrete surfaces. MASCOSEAL MATTE provides a clear non-yellowing protective coating that produces a subtle, satin "matte" finish that highlights the color and textures of surfaces without excessive shine. Also provides luster of all natural aggregate and preserves a long lasting, durable finish. MASCOSEAL MATTE is ideal for precast, architectural concrete, exposed aggregate slabs, walkways and walls.

USES

For exterior, vertical and horizontal concrete surfaces. It is applied to concrete to protect surface from the damaging effects of freeze-thaw exposure, deicing chemicals, and airborne contaminants. Applications include commercial floors, sidewalks, patios and driveways.

FEATURES AND BENEFITS

- Applies easily, dries to touch in approximately 60 minutes.
- Provides a clear, tough, easy to clean film.
- Enhances the look of exposed aggregate concrete by providing a subtle, satin matte finish.
- UV Resistant for long-term protection of concrete.
- Breathable film that protects surface from rain and other airborne contaminants.
- Forms a protective seal on the concrete surface for resistance to surface staining and reduces mildew.
- Protects against surface deterioration. Provides temporary resistance to surface penetration of salts, oils, and other mild chemicals.

COMPOSITION AND MATERIAL

It is a proprietary formulation of methyl methacrylate copolymer resin in a solvent blend.

MIXING INSTRUCTIONS

Stir MASCOSEAL MATTE slowly and thoroughly using slow speed mixing equipment before each use. It is important to keep mixed. Matte agent will settle out. Do not aerate with high speed mixers. Do not thin or dilute in any way.

APPLICATION TECHNIQUES

Make sure that area is adequately ventilated. For best results apply when concrete surfaces or ambient temperatures are between 55°F and 80°F. Ensure application equipment is clean and free of previously used materials. MASCOSEAL MATTE is ready to use directly from the container. Do not mix with other chemicals or alter in any way. Do not pour unused chemicals back into open containers. MASCOSEAL MATTE is a sprayable liquid. Application can be made with low-pressure spray cans or explosion-proof power sprayers. On cured concrete, apply

by spray, short nap roller or brush.

Freshly Placed Concrete: MASCOSEAL MATTE should be applied as a cure to new concrete slabs as soon as the concrete has been finished and surface water has dissipated. Apply at a uniform coverage by spray or roller at 350-400 sq.ft./gal. Avoid puddling in low areas. Drying time for MASCOSEAL MATTE is approximately 2-4 hours at 75°F. Providing concrete is of sufficient strength, the sealed surface will be ready for traffic after an overnight cure. However, if a second coat is desired, allow first coat to dry overnight (preferably 24 hours), then apply a thin coat at the rate of 400 sq.ft./gal. Apply at 90° angles to first coat. Two thin applications are more effective than a single thick coat. Caution, try to avoid application during high temperature conditions in direct sunlight. These conditions cause rapid evaporation, which do not allow the film to form properly. Maximum hardness of sealer is obtained in 7 days.

Existing Concrete: The surface must be thoroughly cleaned and dried before applying MASCOSEAL MATTE. Pressure wash with an alkaline detergent to remove dirt and oils. Curing compounds and old sealer must be chemically or mechanically removed from concrete. All surfaces must be allowed to thoroughly dry prior to application. Apply at a uniform coverage by spray, short nap roller or brush at 350-400 sq.ft./gal. Drying time for MASCOSEAL MATTE is approximately 2-4 hours at 75°F; however if a second coat is desired on cured concrete, allow first coat to dry overnight (preferably 24 hours). Apply at 90° angles to first coat. Two thin applications at the rate of 400 sq.ft./gal. are more effective than a single thick coat. Do not apply during high temperature conditions in direct sunlight. These conditions cause rapid evaporation, which do not allow the film to form properly. Maximum hardness of sealer is obtained in 7 days. Unusual application or condition may require the technical assistance of a Masons Supply representative.

COVERAGE

For proper curing of freshly placed concrete, use MASCOSEAL MATTE at the rate of 350-400 square feet per gallon. On dry, hardened concrete, use at the rate of 350-400 square feet per gallon per coat. Two coats are recommended for best results. (On exposed aggregate, coverage will be less.)

COMPLIANCE

- U.S.D.A. accepted
- V.O.C Compliant

CAUTIONS

On fresh concrete allow the first application to cure for 30 days before the second application. For best results apply when concrete surfaces or ambient temperatures are between 55°F and 80°F. Make sure area is adequately ventilated. Do not apply to damp or wet concrete. Do not apply to frost filled or frozen surfaces. Do not apply when the air, material, and surface temperature are expected to fall below 40°F within 4 hours of completed application or in direct sunlight at

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ambient temperatures in excess of 90°F. Do not apply heavier than literature recommends. Do not use on surfaces that receive paints, sealers, epoxy, joint sealants or urethane based coatings without complete removal. Test before application to cured colored concrete because mottling may occur. The sealer will darken the surface and may accentuate surface imperfections. Prepare a test panel to ensure acceptable results. Will rubber tire burn. Not recommended as a release agent/bond breaker, or where other sealers or treatments are to be later applied. Do not use on a surface that will receive cement mortars, or concrete toppings without complete removal. Not recommended for non porous surfaces i.e. hard troweled "burned" concrete, brick, stone, slate, tile, masonry, etc. Do not use around swimming pools, hot tubs, or areas exposed to excessive moisture. Do not use in areas subject to moisture vapor transmission. Do not apply in areas where there may be excessive internal water migration to the back of the film. Treated areas may become slick when wet (use Masco Surface Grip). Material should not be allowed to freeze in storage and should be stored above 50° F before use. Although compatible with many carpet, tile and floor covering adhesives, consult floor covering manufacturer for recommendations; a test section is recommended. Do not apply this product in locations where food items are present.

PACKAGING

½ gallon for 2 gallon units. Available in larger units upon request.

Storage: 60-85°F (Protect from freezing.)

Shelf Life: 1 year, unopened, protected storage.

HAZARDS IDENTIFICATION

Expect to have a low degree of toxicity by inhalation. Excessive inhalation of vapors and/or spray/mist may cause respiratory irritation, dizziness, weakness, nausea, headache, loss of coordination and fatigue. Contact with eyes may cause mild irritation including stinging, watering and redness. Skin irritant; contact may cause redness, burning, drying and cracking of the skin and skin damage. Ingestion is not expected to be a relevant route of exposure. Aspiration hazard; this material can enter the lungs during vomiting or swallowing and cause lung inflammation and damage (pneumonitis and/or pulmonary edema).

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: Remove contaminated shoes and clothing, flush affected area with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area thoroughly by washing with mild soap and water. If irritation or redness develops, seek medical attention.

Ingestion: Aspiration hazard; do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of

liquid into the lungs. Seek medical attention.

CLEANUP INSTRUCTIONS

Clean tools and equipment with aromatic 100 or xylene immediately following use. Clean drips and over spray with solvent while still wet. If not cleaned immediately, the sealer will leave a residue on painted surfaces, metal, glass and wood.

TECHNICAL SERVICE

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

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