



# AMERICAN COATINGS CORPORATION

Serving the Environmental Control Industry Since 1979

3037 NW 60th Street  
Fort Lauderdale, FL 33309

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# MAR-T108

## Mold Resistant Coating-Clear

### Formulated with an EPA Registered Broad-Spectrum Fungicide

MAR-T108 is a high solids, low viscosity copolymer composition that resists the growth of mold on its cured surface. MAR-T108 is based upon a specialized latex system that is milky white in the bucket and dries clear. MAR-T108's easy-to-apply formulation develops a durable, see through finish that restricts the odors associated with mold and mildew by inhibiting their regrowth on treated surfaces. Upon curing, MAR-T108 is effective in humid and damp areas.

MAR-T108 has been developed to achieve a *tough*, flexible finish that accommodates structural movement without cracking or splitting, thereby maintaining its mold resistant integrity. It has superior adhesion to virtually all construction surfaces, including wood, drywall, plaster, block, concrete, brick and stucco. MAR-T108 is self-priming and is also compatible with steel and aluminum. MAR-T108 generates a clear, smooth finish that minimizes the ability of soil accumulation. Surfaces treated with MAR-T108 are resistant to chemicals and water.

- **High Solids Low Viscosity Provides for an Easier Application with Greater Coverage**
- **'A' Flame Spread: ANSI/UL723 (ASTM E84)**
- **Superior Adhesion to Virtually All Standard Construction Surfaces**
- **Self-Priming. Ready-to-Apply Coating**
- **Smooth Clear Finish Contains an EPA Registered Broad-Spectrum Fungicide that Resists Mold, Mildew and Chemicals on Cured Film**
- **Applicable for Schools, Hotels, Hospitals, Homes and Commercial/ Industrial Complexes**

#### MOLD RESISTANCE: ASTM D-3273-00

MAR-T has been evaluated for its resistance to the growth of mold in an environmental chamber. This test, conducted *independently* and in accordance with ASTM D-3273-00, covers the coating's resistance to the growth of mold that might occur on its surface in a *severe* mold environment. The testing chamber was maintained at a constant 90° F and a relative humidity of 95% to 98%. Within the chamber are dirt boxes containing soil inoculated with the following known organisms: *Aspergillus niger*, *Aspergillus oryzae*, and an unknown species of *Penicillium*. After a period of four weeks, the MAR-T coated test samples were evaluated in accordance with ASTM-3274-95. Both MAR-T test samples were rated as follows:

TABLE 1 Fungal Resistance Performance Evaluation		
Sample I.D.	Ratings	
MAR-T	Panel 1	Panel 2
Highest possible rating	<b>10</b> <b>No Mold Growth</b>	<b>10</b> <b>No Mold Growth</b>

#### MOLD RESISTANCE: ASTM D-5590-94

Sterile filter paper and sterile tongue depressors were coated with treated sample and allowed to air dry. The filter paper was then cut into one-inch square samples and placed onto individual agar plates. The sample and the surrounding agar were inoculated with 1.0 mL of a fungal spore suspension of *Aspergillus niger*. After gently rotating to distribute the inoculum evenly, the agar plates were incubated at 30°C for four weeks. Triplicate samples were tested. Data obtained from the test can be found in following Table 2.

TABLE 2 Petri Dish Mold Test			
Sample I.D.	Ratings		
MAR-T	Plate 1	Plate 2	Plate 3
Paper	0 nz	0 nz	0 nz
Tongue Depressor	0 nz	0 nz	0 nz
	<b>Highest Possible Ratings</b>		

## PRODUCT DATA

Product Class	Clear Mold Resistant Coating
Mold Resistance:	
ASTM D3273-00	10 (Highest Rating)
ASTM D5590-94	0 nz (Highest Rating)
Flame Spread Index: ANSI/UL723 (ASTM E84)	
Flame Spread	0
Smoke Developed	5
Flash Point ASTM D93 (Closed Cup)	No flash to Boiling
Viscosity, cps (Minimum)	3000
pH Range	8 to 9
Solids, by weight	50%
Solids, by Volume	40%
Drying Time: ASTM D1640	
To Touch	1 Hour
Through	2 to 6 Hours
Weight per Gallon: ASTM D1475	9.2 lbs
Coverage: ASTM C461	320 ft <sup>2</sup> /gal @.005" Wet
Application Temperature Range	40°F to 110°F
Service Temperature Range	0°F to 180°F
Storage Parameters (Stir before using)	40°F to 90°F
Odor	
Wet	Mild Latex
Dry	None
VOC	18.8 grams/liter
Water Vapor Permeance (ASTM F1249)	
3 Mil Dry @ 100° F 90% RH	> 5 Perms
Clean-up	
Wet	Water
Dry	Safety Solvent
Application	Spray, Brush or Roller

## EQUIPMENT RECOMMENDATIONS:

Electric Airless Sprayer (Minimum)	Titan 440 i or Equal
Spray Pump (Minimum)	.5 GPM
Hose - Inner Diameter	.25 to .375
Tip Size	.017 TO .019



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## Application Recommendations

Where applicable, follow all Federal, State and Local regulations governing indoor air quality remediation. Refer to Material Safety Data prior to usage. Keep Material Safety Data available at all times during application.

Provide sufficient ventilation when using this product. Avoid venting any area where chemicals or coatings are used into occupied areas or ventilation systems. Clean equipment thoroughly with water following each usage. Avoid direct contact with hot surfaces. Wear safety, non-skid footwear.

Trial applications are suggested to determine product's desirability and most effective coverage rate.

Stir thoroughly before each application. Seal containers tightly after each usage.

1. Affected surfaces must be free from dirt, grease, mold, mildew, loose paint fragments, and any other surface contaminants or obstructions.
2. Following specifications or manufacturer's printed directions, surfaces contaminated with mold/mildew must be thoroughly cleaned with a anti-microbial disinfectant.
3. MAR-T108 may be applied by airless spray, brush or roller. MAR-T108 is ready-to-use and should not be diluted with water or solvents.
4. Patch or repair all substrates with material(s) designated by manufacturer such as patching compound, joint cement, block filler, etc.
5. When brush or roller applied, use a criss cross pattern in two coats to eliminate voids. Achieve and maintain a smooth and even surface. When spray applied, apply in a criss cross pattern, using two coats especially on porous or uneven surfaces. Allow to thoroughly cure.

Porous surfaces may necessitate rolling the treated substrate with a heavy-napped roller to desired finish.

## STIR WELL BEFORE USING

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