

MOIST RUST GUARD

Moist Rust Guard is a two-part epoxy designed to provide a water resistant, anti-corrosion coating to wet and submerged surfaces. Moist Rust Guard is extremely flexible, tough, and durable.



DESCRIPTION

Moist Rust Guard is a two-part epoxy coating system that has been specifically designed with specific additives to promote adhesion when used on metal. Moist Rust Guard was developed to be applied to metal surfaces that cannot be dry enough to use Rust Guard. It can be used directly to wet or damp metal surfaces and maintain excellent adhesion to prevent further surface corrosion. It is a water repelling epoxy for use under water or in areas where constant splashing or condensation is a problem. It is resistant to chemicals and solvents, and is designed to be applied directly to concrete, masonry and wood. Certificate for drinking water, for this reason can be used for water tanks and fish cultivation pools.



BENEFITS

- Prevents corrosion of coated materials from the damaging effects of submersion or constant moisture exposure.
- Apply to moist or condensed pipes or metal surfaces that cannot be dried or stopped to dry before applying a corrosion coating.
- Submergible after only 48 hours of cure time. Finishes curing while submerged.
- Displaces the moisture on the surface and the epoxies attach to the metal surface and cures chemically.
- Acid and chemical resistant.
- Smooth finish, self-leveling and can be tinted any color desired.



USES

- Applied to wet surfaces that cannot be dried before applying an anti-corrosion coating in going on system.
- Used for all metal and concrete surfaces that are exposed to constant water pooling or condensation.
- If metal is to be submerged, use Moist Rust Guard to protect it while under water.
- Can be used to protect inside of water tanks. Moist Rust Guard is a polyamide formula base that is safe for potable water uses.
- Can be applied over metal or concrete surfaces that are also flooring. Moist Rust Guard is tough enough to withstand traffic.



APPLICATION

Moist Rust Guard can be applied to metal, as well as concrete or masonry substrates. The coating can be applied by spray, brush or roller. For specific instructions on surface preparation, mixing and application, please refer to the MCoating's application instructions for Moist Rust Guard.



PHYSICAL DATA

- Reacted Solids: By weight 67% / By volume 51%
- 2 hrs TO TACK FREE AT 70° F (21° C)
- Overcoat window is three hours or less at 70° F (21° C)
- Lead and chromate free
- Cures by chemical reaction in 4 to handle and full in 14 days
- Weight/ Density: 11.15 lbs. per gallon / 1,3 kg/l
- Amine-epoxy
- Shelf Life: Up to 3 years (unopened) under appropriate storage condition (see MSDS)
- Mix Ratio; 4 part base to 1 part curing agent by volume
- Reactive VOC - White: 3.45 lbs/gal; 413 grams per liter
- Package: 20 liter kit (16 liter base + 4 liter reactive)
- Tinting: Can be tinted in any color with a minimum of 250 gallons /1000 litri
- Resistant to mild concentrations of solvents, chemicals and acids
- Maximum Surface Temp when applying: 150° F (65° C)
- Minimum Surface Temp when applying: 50° F (10° C)
- Maximum Surface Temp after curing: 300° F (149° C)
- Consult MCoating for intermittent temperatures greater than 300° F (149° C)
- Coverage: 4,8 - 6 m2/l

TESTS AND CERTIFICATIONS

1. USDA approved
2. ASTM B117 - Salt spray corrosion test
3. ASTM D1654 - 450 hour evaluation over black steel
4. Marine Approvals for salt water/maritime use
 - US Coast Guard
 - ABS (American Bureau of Shipping)
 - IMO (International Marine Organization)
 - MED
5. EN 1186-:2002: Test for overall migration into aqueous food simulants by total immersion

FIELD TESTS HAVE PROVEN:

1. The coating has outstanding adhesion
2. The coating is resistant to solvents and chemical splashes
3. The coating is flexible, yet resistant to impact



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