M&D COATINGS
PRESENTS
RD-COATINGS

ELASTOMETAL

Anti Corrosion & Waterproofing

Protection of Metals

ELASTOMETAL -As easy as 1,2,3!!!

1. Hand or power tool clean areas of corrosion followed by pressure washing.

2. Spot coat to seal all bare rusted steel, joints, seams, edges, and bolts.

3. Spray apply 2 coats over entire surface.

ELASTOMETAL-Surface Preparation

-SSPC-SP2: Hand tool clean

-SSPC-SP3: Power tool clean

-SSPC-SP12,WJ4: Pressure wash
4,000psi 0°Turbo tip

Results of Surface Preparation

- Removal of all loose rust
- Removal of non adhering paint
- Removal of surface chalk & dirt
- Removal of soluble salts

Coating Application

- Brush

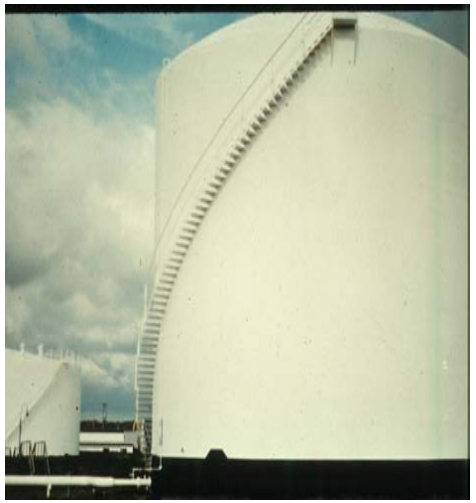
- Roller

- Airless sprayer

Where to use ELASTOMETAL

- Tanks
- Bridges
- Pipes
- Cables
- Architectural Steel
- Metal Roofs
- Metal Siding
- Structural Steel

Protection of Steel Tanks



Protection of Steel Bridges

Protection of Metal Pipes

Protection of Main & Suspension Cables

Architectural Steel

Architectural Steel

Architectural Steel

Protection of Metal Roofs

Metal Siding

Metal Siding

Structural Steel

Waterproofing

Waterproofing

Waterproofing

Why use ELASTOMETAL?

- Proven field results as a direct to rust system providing 15+ years of service.

- Proven test results, equal to Zinc/Epoxy/Urethane systems.

- Ease of surface preparation and system application.

- Environmentally friendly, water based acrylic - low VOC(8g/L).

ELASTOMETAL - CHEMICAL RESISTANCE

Chlorhydric acid 25 %:	**Nitric Acid 25 %:**	**Phosphoric acid 25 %:**
Sulfuric acid 25 %:	**Acetic acid 25 %:**	**Formic acid 25 %:**
Ammonia 25 %:	**Caustic soda 25 %:**	**Salt solution 25 %:**
Sugar solution 25 %:	**Mineral oil:**	**Ethanol:**
Isopropanol:	**Methanol:**	**White Spirit:**
Liquid fuel:	**Aromatic hydrocarbon:**	**Ester:**

Test Method: 24 hour covered spot test.
Requirements: No blistering, cracking, checking or delaminating of the film. Only slight softening, swelling and loss of color after 24 hours exposure to the above listed chemicals.

ELASTOMETAL TEST RESULTS

- **Resistance to High Temperature, ASTM D2485 “Evaluating coating for high Temperature”**
  Passed 212°F/24hrs.

- **Water Resistance, ASTM D870, “Testing water resistance of coatings using water immersion”**
  Passed 12months.

- **Water Vapor Transmission, ASTM D1653, Test Method B, Wet Cup Method”**
  9.9 g/sq meter /24 hours(0.3perms).

- **Abrasion Resistance by Falling Abrasive, ASTM D968**
  Loss of less than 1mil.

- **Sulfur Dioxide Test, ISO 3231, “Determination of Resistance to humid atmospheres containing sulfur dioxide” (Kesternicn Test)**
  Passed (No effect on coating).

- **“Cupping Test", ISO 1520**
  At 12.65 mm indentation, steel panel ruptures. No cracks in coating.

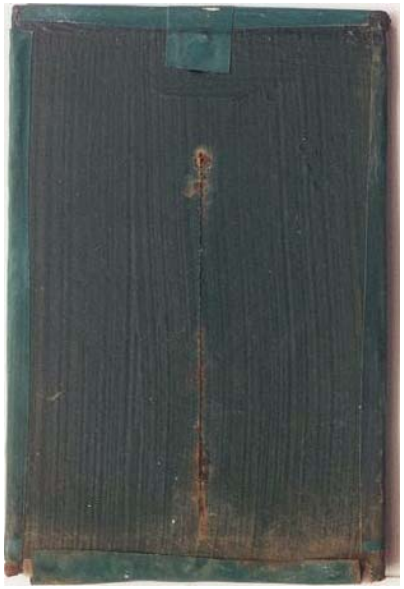
- **"Resistance of Organic Coatings to the effect of Rapid Deformation", ASTM D 2794**
  The Impact resistance 10. Nm.

ELASTOMETAL

Cyclic Weathering Resistance of Elastometal on Pre-Rusted Steel, ASTM D5894, "Prohesion, Cyclic Salt Fog"

Test

Panels were blasted to SP5, then allowed to weather outdoors for 3 weeks with periodic water application to form uniform corrosion over panels. Panels were cleaned by high pressure water jetting up to 25,000 psi (SSPC-SP12, Level WJ4). Panels coated with 14-18 mils dft of Coating.



Result

After 5000 hours, no rusting on the panel, no rust creep at scribe, no blistering over the Panel, no blistering at scribe.

Results comparable to a Zinc/Epoxy/Urethane system applied to a blasted steel surface.