



american coating technologies
www.amcoating.com

Product Technical Data

AM 180 Surface Tolerant Rust Inhibitor Primer

Product Description

AM 180 Rust Inhibitor is a high grade, two part epoxy with anti corrosion resistance fillers, to be used for any environment. Rust Inhibitor can be applied over manually prepared surfaces to provide a primer or a top coat for corroded areas where blasting is not allowed. It can be easily applied by brush or roller to achieve a 4 to 8 mils dry film thickness. AM180 Rust Inhibitor is a 100% solids two part epoxy, non flammable, anti corrosion resistant material.

A partial mix of this system can be utilized or mix the entire unit which covers 266 square feet at 6 mils dry film thickness. For large areas AM 180 Rust Inhibitor can be sprayed with a 30:1 airless or higher. AM 180 Rust Inhibitor is used on pipe racks, pipes, support columns, tank tops and tank surfaces under installation where corrosion is present from sweating. You can coat over the top of AM 180 Rust Inhibitor 6 hours after installation depending on the temperature.

Color Resin:

Aluminum/Gray; Hardener:
Putty/Beige

Container Sizes:

4x1 kg unit (53 sq. ft.
@ 6 mils) or 1x1 gallon kit
(266 sq. ft. @ 6 mils)

Recommended Thickness:

6-12 mils

Flexibility ASTM D522-4:

greater than 35%

Flash Point:

Resin: greater than 300°F
(149°C); Hardener: greater
than 200°F (93°C)

Pull-Off Adhesion Test

ASTM D 4541:

1,600 psi

Specific Gravity:

Resin: 1.20; Hardener: 1.48

Mix Ratio:

2-1 volume

Weight per gallon:

9.83 lbs

Service Temperature:

Dry Service:

250°F (121°C)

Spill/Splash:

180°F (82.2°C)

Immersion Service*:

140°F (60°C)

Cure Time @ 68°F or 20°C:

Usable Life: 45 minutes

Touch Dry: 8 hours

Hard Dry: 16 hours

Minimum Overcoating:
6 hours

Maximum Overcoating:
12 hours

*For every 10° difference, times
half or double the pot life: cooler
temperature=longer, hotter tempera-
ture=shorter

Pump Specifications:

Pump Ratio:

30:1 or greater

Minimum Output:

3000 psi

Product Hose:

Min. – Optimum I.D.

0.25 – 0.5 inch

Max. Length:

100 feet

Preparation:

Remove all oil/grease and
wire brush, grind, or
mechanically abrade –
whichever is allowed. Install
one to 2 coats of Novocoat
Rust Inhibitor to the surface.

Safety:

Mixes and applications of
this product present a
number of hazards. Read
and follow the hazard
information, precautions and
first aid directions on the
individual product labels and
material safety data sheets
before using.

While all statements,
technical information,
and recommendations
contained herein are based
on information our company
believes to be reliable,
nothing contained herein
shall constitute any warranty,
express or implied, with
respect to the products and/
or services described herein
and any such warranties are
expressly disclaimed.

We recommend that the
prospective purchaser or user
independently determine the
suitability of our product(s)
for their intended use. No
statement, information
or recommendation with
respect to our products,
whether contained herein or
otherwise communicated,
shall be legally binding
upon us unless expressly set
forth in a written agreement
between us and the
purchaser/user.

Product Features

Benefits:

Non-flammable

**Excellent corrosion
resistance**

High adhesion

Long term protection

Clean Up:

- Acetic Acid up to 10%
- Ammonium Hydroxide*
- Benzene
- Black Liquor
- Butyl Acetate
- Butyl Carbitol
- Crude Oil
- Most Chlorides
- Hydrochloric Acid up to 20%
- Hydrogen Sulfide
- Isopropyl Alcohol
- Nitric Acid up to 10%
- Mild Organic Acids
- Most Phosphates
- Phosphoric Acid up to 10%
- Potassium Hydroxide*
- Sodium Hydroxide*
- Most sulfides
- Sulfuric Acid up to 50%
- 1,1,1,-Trichloromethane
- Urea Solutions
- White Liquor *Ambient
temperature only

The technical data listed herein has been compiled for your convenience and guidelines are based upon our experience and knowledge. However, since we have no control over the use of this information or this product, no warranty expressed or implied is intended or given.

American Coating Technologies
P.O. Box 294, East Aurora, New York 14052
(716) 572-5358