



american coating technologies
www.amcoating.com

Product Technical Data

AM 2410 Metal Repair Fluid

Product Description

AM 2410 is 100% solids, contains no volatile organic compounds or solvents. This fluid metal repair product is a fast setting product designed for emergency repairs of pumps, leaking tank seams, pipes etc. Provides protection for both steel and concrete substrates.

Chemical Resistance:

Acetic Acid 10%
Ammonium Hydroxide 25%
Brine Water
Copper Sulfate
Diesel Fuel
Fatty Acids
Gasoline
Hydrochloric Acid up to 20%
Mineral Spirits
Potassium Hydroxide 50%
Crude Oil
Caster Oil
Ethylene Glycol
Sodium Chloride
Sodium Hydroxide 50%
Sulfuric Acid 75%
Sewage
Alkalis
Fresh and non-potable Water
Wine
Ethanol

Adhesion Strength:

ASTM D 4541 3,000 PSI

Abrasion Resistance:

ASTM D 4060 CS17 WHEEL
1000 CYCLES 1 KG 40 MG

Rockwell Hardness:

ASTM D 2240 78

Compression Strength:

ASTM D695 15,500 PSI

Flexural Strength:

D 790 13,000 PSI

Tensile Shear Strength:

ASTM D 1002 3,500 PSI

Color:

Grey (AM 2410)

Container Size:

1 gallon kits, and 250 gr. bag

Coverage Per Gallon (Theoretical):

160 sq. ft. @ 10 mils thickness

Flash Point:

Greater than 250°F (121°C)

Pull-Off Adhesion Test ASTM D 4541:

Minimum adhesion is 2850 PSI

Recommended Thickness*

2 coats @ 8–20 mils each

Specific Gravity Resin:

1.48; Hardener: 0.97

Volatile Organic Compounds (VOC)

0 grams/liter

Weight Per Gallon:

10.86 lbs

Pot Life:

@ 40°F (4°C) 8 hours, 30 minutes
@ 75°F (24°C) 1 hour, 5 minutes
@ 92°F (33°C) 55 minutes

Cure Time (at 70°F):

Re-coat Window 24 hours
Light Loading 2 days
Immersion 7 days
(Aqueous) Service
Full or Chemical 7 days
Service

Service Temperature:

Dry Service -30°F 250°F (121°C)
Spill/Splash 200°F (93°C)
Immersion Service* 170°F (76.7°C)

*Water Immersion — 190°F (90°C) — Atlas test cell for 60 days, unaffected

Product Features and Benefits

- 100% Solids, No VOCs
- Excellent immersion resistance
- Meets the performance requirements of AWWA C210 and FDA requirement 21 CFR 175.300 for food contact

Note:

Do not keep the blended coating in the original container unless immediate use is planned.

Otherwise, exotherm—heat created during the curing process—will considerably shorten the pot life. Pour the coating into a rolling tray or large aluminum-basting pan.

Try to keep the depth of the coating in the tray below 3/8".

Multiple Coats:

Second and subsequent coats must be applied before the previous coat has completely cross-linked. If additional coats are needed after re-coat window, brush blast before applying the next coat. Sanding or wire brushing may abrade small areas.

The same requirement applies when overlapping the seams of adjacent coating sections to create a continuous protective film. If the coating surface to be overlapped at the seam cannot be brush blasted, use a non-impact means as power brushing or sanding to create a mechanical profile.

See reverse side for limitations of our liability and warranty.

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.

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