



american coating technologies
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AM 1920 Metal Repair Compound

Product Description

AM 1920 Quick Repair "QR" is a fast version of high performance engineered paste grade material for machine shop and field use to repair and rebuild equipment. It is ideal for fixing leaks on tanks, piping, electrical bushings and setting keyways or taper fits for fast turnarounds. "QR" is versatile and the 2:1 mix ratio is easy to use.

R1920 Quick Repair is non-hazardous and non-corrosive, novalac resin with specialty-blended powders. It will repair all types of ferrous and non-ferrous metals, fiberglass, PVC & similar plastics, as well as other composites. Non-shrink and high slump make it ideal for vertical applications



Fast cylinder repair



Product Features and Benefits

- Fast Leak Extinguisher
- Environmental Friendly
- Non-hazardous = No VOC's
- High Build Paste Grade
- No Shrink
- Outstanding Strength

Preparation:

Surface must be prepared by thoroughly cleaning and roughening to gain maximum adhesion. Sweat oily chemical soaked items and then grit blast or grind with rough stone or lathe a very rough texture into the surface.

Mixing and Application:

QR is mixed 2:1 by volume. Supplied in pre-measured sachet packs. Mix the two parts thoroughly until no streaks are seen.

Apply to surface rapidly pressing hard to achieve maximum wetting, then proceed with thickness desired.

Mix only enough product that can be applied in 5 minutes.

When rebuilding structure use layers of reinforcement cloth and apply QR as thick as the parent substrate.

See reverse side for limitations of our liability and warranty.

Chemical Resistance:

- Acetic Acid up to 10%
- *Ammonium Hydroxide
- Aromatic & Aliphatic Solvents
- Black Liquor
- Butyl Acetate
- Butyl Carbitol
- *Ambient temperature only
- (Most) Chlorides
- Hydrogen Sulfide
- Isopropyl Alcohol
- Mineral Acids
- Nitric Acid up to 20%
- (Mild) Organic Acids
- (Most) Phosphates
- Phosphoric Acid
- *Potassium Hydroxide
- *Sodium Hydroxide
- (Most) Sulfides
- Sulfuric acid up to 50%
- Urea Solutions
- White Liquor

Compressive Strength:

ASTM D695 15,693 PSI

Flexural Strength:

ASTM D 790 7,000

Tensile Shear Adhesion:

ASTM D1002 2,550

Service Temperature:

Environment	Max Temperatures
Dry Service	250°F (121°C)
Spill/Splash	212°F (100°C)
Immersion*	140°F (60°C)

*For immersion with solvents, mineral acids or alkaline solutions over 150°F, please contact tech support

Working & Curing 68°F (20°C):

Working Time	5 minutes
Recoat Window	20 minutes
Machining	30 minutes
Mechanical	30 minutes
Chemical Resistant	3 hrs

*For every 10 degree C difference times half or double the pot life cooler temp = longer; hotter = shorter

Mix Ratio:

- 2 resin—1 hardener by volume
- 2 resin—1 hardener by weight

Volume Capacity:

75 gm = 2.8 cu/in
170 gm = 6.35 cu/in

Hardness:

ASTM D 785 85

**NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND
LIMITATIONS ON OUR LIABILITY**

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

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