



american coating technologies

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Product Technical Data

AM 2920 Elastomeric Joint and Crack Filler

Product Description

AM 2920 is a Trowel able Elastomer designed for applications requiring high elongation in moderate environments. AM 2920 is a two component elastomer which is designed to handle moisture, mildly acidic or mildly alkaline environments.

AM 2920 will provide an excellent level of protection for expansion joints, cracks in concrete, in heaving soils, sealing joints and cracks, and against freeze thaw dynamics. The UV stability of AM 2920 will allow many years of service. AM 2920 should not be Used in high wear areas, as the high elongation is more suited to moderate and light wear applications.

Chemical Resistance:

- Acetic Acid up to 8%
- Ammonium Hydroxide up to 25%
- Brine
- Copper Sulfate
- Hydrochloric Acid up to 36%
- Hydrogen Sulfide
- Mineral Spirits
- Nitric Acid up to 10%
- Potassium Hydroxide up to 50%
- Sodium Hydroxide up to 50%
- Sulfuric Acid up to 50%

Color:

Dark Gray

Container Size:

1 and 2 gallons

Elongation @ 1/8":

Greater than 200%

Specific Gravity:

Resin: 1.28; Hardener: 0.93

Suggested Application Method:

Trowel

Weight per Gallon:

9.3 lbs

Pot Life:

70°F (21°C) 1 hour

Cure Time @ 75°F (21°C):

Re-Coat Window	2 to 6 hours
Tack Free	5 hours
Light Traffic	24 hours
Full Cure	7 days

Surface Preparation:

Note: For optimal coating performance, take considerable care with surface preparation

Metal: Remove all oil, grease, or scale from the surface, and then blast with sharp sand or grit to finish. Use a non-spherical blast medium to give a 2 – 3 mil (50 – 75 micron) profile and to achieve the following surface preparation standards or their equivalents:

Non-chemical Service:
SSPC-SP 6 Commercial Blast (NACE 3)

Intermittent Splash or Wear:
SSPC-SP 10 Near White Metal Blast (NACE 2)

Immersion or Abrasive Service:
SSPC-SP 5 White Metal Blast (NACE 1)

Concrete: Concrete should be aged at least 28 days before coating and the surface should be clean, dry and free of form-release agents, silicone water-proofers and/or curing agents. Sand blasting or scarification is recommended. Wash down old concrete to remove all residues and neutralize the pH before blasting or scarifying. For severe service, a second wash is recommended.

Superior products are self-priming on metallic substrates. However, on concrete, the sealer/primer AM 1100 is recommended to avoid bubbling caused by out gassing and to increase overall adhesion.

AM 1100 primer is required on concrete that is younger than 28 days. SC-1100 primer can be applied to concrete that has aged a minimum of 7 days. Two coats of AM 1100 may be needed on high air entrained concrete.

Product Features & Benefits

- 100% Solids, No VOCs
- Excellent UV stability
- Excellent impact resistance and corrosion protection

Mixing Procedures:

Note: Do not mix partial kits.

1. Empty the entire amount of hardener into the resin container.
2. Mix thoroughly until uniform in consistency, continue mixing for an additional 2-3 minutes. Pay special attention to the bottom and sides of the container to insure complete mixing. Due to the high viscosity of this product, a mechanical mixer is preferred. Use at low speed and keep the mixing blade down in the product to avoid entrapping air.

Application:

Apply AM 2920 with a trowel, putty knife or other appropriate tool. When working with AM 2920, dip the trowel or other tools in ethanol or a mixture of ethanol and water to reduce sticking.

Clean Up:

Use a mixture of MIBK and Butyl Acetate (50/50) or MEK for cleanup. Be sure to read MSDS for any of these products before using. Skin may be cleaned with denatured alcohol, preferably ethanol.

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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