



# 1000 AM System

## Product Data Sheet

### DESCRIPTION:

1000 AM is a two component, 100% solids, semi-self-leveling epoxy coating system, manufactured with an antimicrobial additive. The antimicrobial additive protects the flooring system by inhibiting the growth of odor-causing bacteria, fungi, mold, mildew and algae. 1000 AM is U.S.D.A. acceptable for food processing plants, and has excellent resistance to most dilute acids, caustics, and detergents.

### ADVANTAGES:

- Prepackaged, Easy To Use
- Excellent Adhesion
- Short Down Time – Quick Cure
- Easy To Clean
- U.S.D.A. Acceptable
- Chemical Resistant
- Environmentally Safe

### USES:

- Sealer For PFL's 3000 Series Systems
- Aisle-ways
- Clean Rooms
- Light Industrial Areas
- Warehouses

### SUPPLEMENTAL PRODUCTS:

- 3300 Series Mortars
- 3500 Grout - Pitching and Filler
- 3000 VS - Vertical Surfaces and Coves
- 3000 FLEX - Expansion Joint Filler

### PACKAGING AND COVERAGE:

**1000 AM – 1 gallon kit** – covers approximately 100 square feet at 15 mils, and consists of the following -  
 1 container - Part A (pigmented resin)  
 1 container - Part B (hardener)

**1000 AM – 3 gallon kit** – covers approximately 300 square feet at 15 mils, and consists of the following -  
 1 container – Part A (pigmented resin)  
 1 container – Part B (hardener)

### Note:

When used as a coating system for concrete, the 1000 AM should be applied in a minimum of two coats, to 15 mils DFT.

### PROPERTIES:

<b>Compressive Strength ASTM (C-579)</b> <resin>:	11,500 psi	<b>Flammability:</b>	Does not support combustion
<b>Tensile Strength ASTM (D-638)</b> <resin>:	1,700 psi	<b>Water Absorption (ASTM C-413):</b>	0.047%, 24 hours in H2O
<b>Flexural Strength ASTM (C-580)</b> <resin>:	3,500 psi	<b>Working Time At (ASTM C-308):</b>	20-30 min, 70°F (24°C)
<b>Bond Strength ASTM (C-321):</b>	Greater than 350 psi (concrete Failure)	<b>Shelf Life:</b>	1 year
<b>Impact Strength:</b>	130 in./lbs.	<b>Colors:</b>	Standard Colors
<b>Indentation (MIL-D-3134F):</b>	No Indentation	<b>Solids by Content:</b>	100% by Volume

### Effacy Testing

JIS Z 2801:2000

E.coli 8739 – Avg. Time Zero - 2.10E+05  
 Avg. 24 Hours - 6.67E+00

P.aeruginosa 15542 – Avg. Time Zero – 8.00E+04  
 Avg. 24 Hours – 7.47E+04

S.aureus 6538 – Avg. Time Zero – 9.80E+04  
 Avg. 24 Hours – 7.47E+04

C.albicans 10231 - Avg. Time Zero – 3.15E+04  
 Avg. 24 hours – 1.88E+02

### SURFACE PREPARATION:

1000 AM may be installed only on clean, sound substrates  
 Concrete:

New concrete must be cured a minimum of 28 days. All coatings, oils, grease and unsound concrete must be removed. Concrete surfaces must then be acid etched, scarified or shot blasted to remove surface laitance. A good bonding tooth, the texture of 60 grit sandpaper, is desired for maximum adhesion, with removal of all surface glaze.

Metal Surfaces:

Blast the surface to near white SSPC-SP10-70 or NACE No. 2 using a Venturi blast nozzle with 100 psi air. To produce the desired 3 mil anchor profile, the blast media used shall be properly graded, clean, sharp, and angular, similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

**MIXING:**

Mix 1000 AM Part A and Part B for 2 minutes with a low speed jiffy mixer, or equivalent. Try not to whip in air when mixing. Apply at the recommended film thickness with a 12" squeegee. Back roll with medium nap roller to remove squeegee lines.

**CURE TIME:**

1000 AM will harden to foot traffic in 18-24 hours at 75°F (24°C). Maximum chemical resistance will occur after 96 hours of cure at 75°F (24°C).

**CLEANUP:**

Cured 1000 AM will bond to most surfaces and is extremely difficult to remove. Clean all tools and mixer immediately after use with acetone or other solvent based cleaners.

**SAFETY:**

Avoid skin contact. If eye contact occurs, flush with water and consult physician immediately. Keep work areas well ventilated. Never seal a container of mixed Part A and B as the continuing exothermic reaction may cause container to explode. 1000 AM Material Safety Data Sheets are available upon request.

**Limited Warranty**

Milamar Coatings products are manufactured to be free of defects in material and workmanship in meeting the properties specified on its individual Product Data Sheets. Users and installers of Milamar Coatings products are solely responsible for determining the suitability of the products for specific product applications. Milamar Coatings makes no Warranty or Guarantee, express or implied, including warranties of fitness, design compatibility or merchantability, for any particular use and shall have no responsibility or liability, including direct, indirect or consequential damages, due to injury, delay or third party claims for installation or repair. Likewise, Milamar Coatings assumes no liability of any nature for products that are adjusted in the field or that do not utilize all specified Milamar Coatings components. Should any Milamar Coatings product be proved to be defective within one year from the date of shipment, Milamar Coatings will, at its sole discretion, either replace the material; issue a credit to the customer's account; or provide a cash refund for the initial, paid purchase price of the material. Potential claims regarding product quality must be received in writing by Milamar Coatings within 30 days of the discovery of such potential defect. This Warranty is exclusive of all other warranties, expressed or implied, and may only be adjusted in writing, signed by an officer of Milamar Coatings, L.L.C

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