

## Product Data Sheet

### DESCRIPTION:

2620 CR is a monolithic, novolac epoxy liner, formulated for optimal chemical and abrasion resistance in corrosive atmospheres or continuous immersion service. Trowel applied at 1/8 inch, 2620 CR can be applied to horizontal, vertical, and overhead surfaces without sagging.

### ADVANTAGES:

- Monolithic - Seamless Surface
- Excellent Chemical Resistance
- Applicator Friendly – Easy To Apply
- Excellent Adhesion
- Short Downtime – Quick Cure
- Minimal Maintenance - Durable

### USES:

- Chemical Tanks, Pits, Sumps
- Paper Stock Vessels
- Hot Water Storage Tanks
- Pump Casings
- Slurry Tanks
- Waste Neutralization Pits
- Sand Hoppers and Troughs
- Trenches
- Pump And Tank Pads

### SUPPLEMENTAL PRODUCTS:

- 2620 CR Primer and Veil Coat
- 3500 Grout - Horizontal Pitching and Filler
- 3300 CR Series Floorings
- 3300 CR Veil Coat

### PACKAGING AND COVERAGE:

2620 CR – Lining system – packaged in batches consisting of the following -

**2620 CR Primer** – covers approximately 30 square feet at 10 mils, and consists of the following -

- 1 container - Part A (resin)
- 1 container - Part B (hardener)

**2620 CR Liner** – covers approximately 10 square feet at 1/8 inch and consists of the following –

- 1 container - Part A (resin)
- 1 container - Part B (hardener)
- 1 bag - Part C (chemical resistant aggregate)

**2620 CR Veil Coat** – covers approximately 30 square feet at 10 mils, and consists of the following -

- 1 container - Part A (resin)
- 1 container - Part B (hardener)

### PROPERTIES:

<b>Compressive Strength (ASTM C-695):</b>	14,750 psi	<b>Flammability (ASTM D-635):</b>	Does not support combustion
<b>Tensile Strength (ASTM C-638):</b>	2,200 psi	<b>Water Absorption (ASTM D-570):</b>	0.038%
<b>Bond Strength (ASTM C-321):</b>	Greater than 350 psi, 100% concrete failure	<b>Working time at (ASTM c-308):</b>	25-35 min (75°F (24°C))
<b>Bond Strength (on steel):</b>	3500 psi	<b>Maximum Immersion Temperature:</b>	200°F (93°C)
<b>Coefficient of Thermal Expansion (ASTM D696):</b>	9.16x10 <sup>6</sup> in./in./°F	<b>Shelf Life:</b>	1 year
<b>Thermal Shock (10 Cycles):</b>	No Disbondment -20°F to 75°F (-20°C to 24°C) 32°F to 212°F (0°C to 100°C)	<b>Solids by Content:</b>	By Weight 100% By Volume 100%
<b>Impact Strength:</b>	100 in./lbs.	<b>Indentation (MIL-D-3134F):</b>	No indentation

### SURFACE PREPARATION:

2620 CR 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 proper 4 mil anchor profile, use properly graded, clean, sharp, and angular, similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

**MIXING:**

Prior to starting, 2620 CR should be stored at 70°F (21°C) for at least 48 hours.

**Primer** - Empty entire contents of Part B into Part A and mix thoroughly for 2 minutes.

**Mortar** - Empty entire contents of Part B into Part A and mix thoroughly for 2 minutes. Slowly add the entire contents of Part C and mix for an additional 1-1/2 to 2 minutes.

**Veil Coat** - Empty entire contents of Part B into Part A and stir thoroughly for 2 minutes.

With all components, be sure to apply them immediately after mixing. Do not allow the mortar to sit in a pail as this will substantially reduce the working time of the system.

**APPLICATION:**

Substrate temperature should be 65°-85°F (18°-29°C) during application and for 96 hours thereafter for complete cure. Do not apply if substrate temperature is below 60°F (16°C). Apply the primer to the surface in a thin, even layer with a roller, and then pull the excess down with a squeegee. Prime only the areas you can trowel within 2-3 hours. Trowel mortar evenly over the surface using firm pressure, filling in low spots as you go. Remove large surface marks by cleaning trowel and quickly going over the surface with light pressure. Allow mortar to set 2-4 hours or until hard to the touch. Knock off any surface nubs with a carbide block or grinder. Spread the veil coat over the surface with a roller and pull down excess with a squeegee.

**CURE TIME:**

2620 CR will harden within 3-4 hours; however, 96 hours at 75°F (24°C) is recommended for chemical immersion. Cure can be accelerated by introducing heat to the substrate. Do not heat over 120°F (49°C), and only increase substrate temperature at a rate of 20°F (7°C) per hour.

**CLEANUP:**

Cured or hardened 2620 CR will bond to practically all substrates 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 a 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. 2620 CR 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

**Milamar Coatings, L.L.C.**

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