

**DESCRIPTION:**

3300 CR Patch Kit is a three-component, Novolac Epoxy flooring material, trowel applied at a minimum 1/4 inch. 3300 CR is U.S.D.A. acceptable for food processing plants and has excellent resistance to acids, caustics, detergents and other corrosive materials. 3300 CR is excellent for patching and repairing existing floor surfaces.

**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:**

- Food Production Plants
- Forklift Aisle Ways
- Chemical Spill Containment Areas
- Industrial Production Facilities
- Warehouses

**SUPPLEMENTAL PRODUCTS:**

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

**PACKAGING AND COVERAGE:**

**3300 CR Patch Kit** – covers approximately 16 square feet at ¼ inch (250 mils), and contains the following –

**1 mini-batch 3300 Primer –**

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

**1 batch 3300 CR –**

- 1 container – Part A (resin)
- 1 container – Part B (hardener)
- 37 pounds - Part C (chemical resistant aggregate)

**PROPERTIES:**

<b>Compressive Strength</b>	11,500 psi ASTM C-579 (resin)
<b>Tensile Strength</b>	1,700 psi ASTM D-638 (resin)
<b>Flexural Strength</b>	3,500 psi ASTM C-580 (resin)
<b>Bond Strength</b>	Greater than 350 psi ASTM C-321 100% concrete failure
<b>Coefficient of Thermal Expansion</b>	1.2 x 10 <sup>-5</sup> in./in./°F
<b>Impact Strength</b>	130 in./lbs.
<b>Indentation</b>	No indentation MIL-D-3134F
<b>Abrasion Resistance</b>	29 milligrams ASTM D-1044
<b>Flammability</b>	Does not support combustion
<b>Water Absorption</b>	0.047% ASTM C-413
<b>Working Time at 75°F (24°C)</b>	20-30 minutes ASTM C-308
<b>Shelf Life</b>	1 Year
<b>Colors</b>	Red, Gray, Black
<b>Solids by Content</b>	By Weight      100% By Volume      100%

### **SURFACE PREPARATION:**

3300 CR Patch Kits 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. The blasting media used shall be properly graded, clean, sharp, angular abrasive similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

### **MIXING:**

Prior to mixing, materials should be stored at 70°F (21°C) at least 48 hours.

**Primer** - empty entire contents Part A into Part B and mix for 2 minutes. Roll primer onto floor area you plan on topping within 4-6 hours.

**Mortar** - Empty the entire contents of Part B into Part A and mix thoroughly for 2 minutes. Empty mixture into 5 gallon pail with aggregate and slowly add the entire contents of Part C (aggregate). Mix for 2 minutes. Pour the mixture onto the floor immediately after mixing. Do not allow the mixture to sit in a pail, as this will greatly reduce the working time of the material.

### **APPLICATION:**

Substrate temperature should be 65°-85°F (18°-29°C) during installation and 96 hours thereafter for complete cure. Do not apply 3300 CR when floor temperature is below 60°F (16°C). Pour the entire batch onto the floor as soon as blended and trowel smooth with a steel trowel. After troweling the mortar, you may wipe your trowel with M.E.K. or Denatured Alcohol and swipe surface. Cleaning the trowel will reduce drag, and allow for a tighter finished surface.

### **CURE TIME:**

3300 CR will harden to foot traffic in 6-8 hours at 75°F (24°C). Maximum chemical resistance will occur after 96 hours of cure time at 75°F (24°C).

### **CLEANUP:**

Cured or hardened 3300 CR will bond to practically all 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 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. 3300 CR Material Safety Data Sheets are available upon request.

### **IMPORTANT NOTICE TO PURCHASER:**

The following is made in lieu of all warranties, expressed or implied. Seller and manufacturer's only obligation shall be to replace such quantities of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential arising out of the use of or inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risks and liability whatsoever in connection therewith. The foregoing may not be altered unless written authorization is received from PROTECTIVE FLOORINGS AND LININGS, A DIVISION OF A. W. CHESTERTON.

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