Ilamar Coatings, L.L.C.
A CASS Polymers Company

3300CT Flooring System

Product Data Sheet

DESCRIPTION:

3300 CT is a three-component flooring system, trowel-applied at a minimum ¼ inch, at temperatures as low as 30°F (-2°C). 3300 CT is U.S.D.A. acceptable for food processing plants, has excellent resistance to most acids, caustics, detergents and other corrosive materials, and is excellent for overlaying or patching 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:

- 3300 CT Primer
  Roller Applied Primer
- 3500 CT Grout
  Pitching and Filler
- 3000 CT VS
  Vertical Surfaces and Coves
- 3300 CT Veil Coat
  Chemical Resistant Sealer

PACKAGING AND COVERAGE:

3300 CT – Mortar – packaged in batches -

1 Batch Kit – covers approximately 16 square feet at ¼ inch (250 mils).
- 1 container – Part A (resin)
- 1 container – Part B (hardener)
- 1 bag – Part C (chemical resistant aggregate)

Packaging Available – 3 Batch Kit – covers approximately 48 square feet at 1/4 inch (250 mils).
- 1 container – Part A (resin)
- 1 container – Part B (hardener)
- 3 bags – Part C (chemical resistant aggregate)

Required: 3300 CT Primer

PROPERTIES:

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

SURFACE PREPARATION:

3300 CT 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 so the materials are easier to pour out of the containers.

Mortar: Empty the entire contents of Part B into Part A and mix thoroughly for two minutes. Empty mixture into a mixer and slowly add the entire contents of Part C (aggregate). Mix the entire system for two minutes. Pour the mixture onto the floor immediately after mixing. Do not allow the mixture to sit in a pail as this can reduce the working time of the material.

APPLICATION:

Substrate temperature must be a minimum 30^{O} F (-2^{O}C) during installation and for 7 days for complete cure. Do not apply 3300 CT when floor temperature is below 30^{O}F (-2^{O}C). Pour the entire batch onto the floor as soon as blended and trowel smooth with a steel trowel.

CURE TIME:

3300 CT will harden to foot traffic in 4-6 hours at 75^{O}F (24^{O}C), 8-10 hours at 50^{O}F (10^{O}C) or 18-24 hours at 30^{O}F (-2^{O}C). Maximum chemical resistance will occur after 7 days at 30 degrees F (-2 degrees C).

CLEANUP:

Cured or hardened 3300 CT 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 reaction may cause container to explode. 3300 CT 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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