

Product Data Sheet

DESCRIPTION:

1100 CS is a two component, 100% solids, semi-self-leveling epoxy coating system. 1100 CS 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:

- Aisle-ways
- Clean Rooms
- Electronics Manufacturing
- Aircraft Hanger's
- Turbine Decks
- Animal Care Facilities
- Locker Rooms
- Shop Floors
- Warehouses

SUPPLEMENTAL PRODUCTS:

- 1000 CS or 3300 Primer – Recommended as substrate sealer coat.
- 3500 Grout
- 3000 VS - Vertical Surfaces and Covers
- 3000 FLEX
Expansion Joint Filler

PACKAGING AND COVERAGE:

1100 CS - 4 Batch Kit – covers approximately –

- 333 square feet at 60 mils
- 285 square feet at 70 mils
- 250 square feet at 80 mils

Depending on the porosity of the substrate, the coverage may vary.

Each 4 Batch Kit consists of the following -
4 containers - Part A (pigmented resin)
4 containers - Part B (hardener)
1 - 100# bag (fine aggregate)

PROPERTIES:

Compressive Strength (ASTMC-579):	11,470 psi	Working time at:	25-30 min/75°F (24°C)
Tensile Strength (ASTM D-638):	7500 psi	Shelf Life:	1 year
Flexural Strength (ASTM C-580):	3,940 psi	Colors:	Standard Color Chart
Bond Strength (ASTN C-321):	Greater than 350 psi, concrete failure	Solids by Content:	By Weight 100% By Volume 100%
Indentation (MIL-D-3134F):	Pass	Cured Density:	Approx. 14 lbs./cubic ft.
Flammability:	Does not support combustion	Durometer Hardness (ASTM D 2240):	85

SURFACE PREPARATION:

1100 CS may be installed only on clean, sound substrates.

Primer – 1000 CS or 3300 Primer recommended.

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:

Pour the 1100 CS Part B into the Part A, and mix for 2 minutes with a low speed jiffy mixer, or equivalent. Try not to whip in air when mixing. Using a low speed mixer, blend an equivalent volume of the supplied fine aggregate into the mix. Spread to the desired thickness using a trowel, hard rubber squeegee, or a pin rake set to the

desired 60 - 80 mils. After 10-30 minutes, use a spiked roller to release entrapped air from the film.

CURE TIME:

1100 CS will harden to foot traffic in 18-24 hours at 75°F (24°C). Maximum chemical resistance will occur after 7 days of cure, at 75°F (24°C).

CLEANUP:

Cured 1100 CS 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. 1100 CS 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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