



PRODUCT INFORMATION SHEET
1100 CS SYSTEM
GENERAL PURPOSE EPOXY FLOOR COATING

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 Covets
- 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	11,470 psi ASTM C-579
Tensile Strength	7500 psi ASTM D-638
Flexural Strength	3,940 psi ASTM C-580
Bond Strength	Greater than 350 psi concrete failure ASTM C-321
Indentation	Pass MIL-D-3134F
Flammability	Does not support combustion
Working Time at	25-35 minutes 75°F (24°C) ASTM C-308
Shelf Life	1 Year
Colors	Standard Color Chart
Solids by Content	By Weight 100% By Volume 100%

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.

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. CHESTERON.

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