

PRODUCT INFORMATION SHEET
1000 CS SYSTEM
GENERAL PURPOSE EPOXY FLOOR COATING

DESCRIPTION:

1000 CS is a two component, 100% solids, semi-self-leveling epoxy coating system. 1000 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:

- Sealer For PFL's 3000 Series Systems
- Aisle-ways
- Clean Rooms
- Light Industrial Areas
- Warehouses

SUPPLEMENTAL PRODUCTS:

- 3300 Primer
 Roller Applied Primer
- 3500 Grout
 Pitching and Filler
- 3000 VS
 Vertical Surfaces and Coves
- 3300 FS or PT ¼" Mortar
- 3000 FLEX
 Expansion Joint Filler

PACKAGING AND COVERAGE:

1000 CS - 1 gallon kit – covers approximately 100 square feet at 15 mils, and consists of the following -
 1 container - Part A (pigmented resin)
 1 container - Part B (hardener)

1000 CS – 3 gallon kit – covers approximately 300 square feet at 15 mils, and consists of the following -
 1 container – Part A (pigmented resin)
 1 container – Part B (hardener)

PROPERTIES:

Compressive Strength	11,500 psi ASTM C-579 (resin)
Tensile Strength	1,700 psi ASTM D-638 (resin)
Flexural Strength	3,500 psi ASTM C-580 (resin)
Bond Strength	Greater than 350 psi concrete failure ASTM C-321
Impact Strength	130 in./lbs.
Indentation	No indentation MIL-D-3134F
Flammability	Does not support combustion
Water Absorption	0.047% ASTM C-413 24 hours in H ₂ O
Working Time at	20-30 minutes 75°F (24°C) ASTM C-308
Shelf Life	1 Year
Colors	Standard Colors (Custom Available)
Solids by Content	By Weight 100% By Volume 100%

SURFACE PREPARATION:

1000 CS 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 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:

Mix 1000 CS Part A and Part B for 2 minutes with a low speed jiffy mixer, or equivalent. Try not to whip in air when mixing. Apply at the recommended film thickness with a 12" squeegee. Back roll with medium nap roller to remove squeegee lines.

CURE TIME:

1000 CS will harden to foot traffic in 18-24 hours at 75°F (24°C). Maximum chemical resistance will occur after 96 hours of cure at 75°F (24°C).

CLEANUP:

Cured 1000 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. 1000 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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