

DESCRIPTION:

1400 CS is a two-component, aliphatic polyester urethane, designed to be a topcoat for interior or exterior surfaces. 1400 CS has a tough durable finish. It has outstanding impact resistance, abrasion resistance, and resists degradation from ultraviolet light exposure. Flexibility, adhesion, and short dry times make it an ideal topcoat for many industrial applications.

ADVANTAGES:

- Excellent Durability
- Low Permeability
- Excellent Adhesion
- Withstands High Pressure Cleaning
- Excellent Appearance And Gloss Retention
- U.S.D.A. Acceptable

USES:

- Walls, Ceilings and Columns
- Curbs and Pump Pads
- Floor Coating
- Wood Surfaces

SUPPLEMENTAL PRODUCTS:

- 1000CS
- Epofil
- 3300 Series Mortars

PACKAGING AND COVERAGE:

1400 CS – 1.25 gallon kit – covers approximately 250 square feet at 3 mils DFT. A 1.25-gallon kit consists of the following –

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

1400 CS – 5 gallon kit – covers approximately 1000 square feet at 3 mils DFT. A 5-gallon kit consists of the following –

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

1400 CS is a 4:1 mix ratio (by volume)

PROPERTIES:

Pot Life	3 - 4 hours (70°F and 50% R.H.)
Flash Point	Part A: 76°F Seta Flash Part B: 76°F Seta Flash
Volume Solids	50% +/- 5% (depending on color)
Tensile Strength	4000psi ASTM D412
Tensile Elongation	30% ASTM D412
Abrasion Resistance	25 mg loss ASTM D4060
Gloss	90+
Water Absorption	<1% ASTM D471
Weight / Gallon	10.26 mixed ASTM D1475
Mixed VOC	410 g/l
Dry Film Thickness	2-4 mils DFT
Expected Coverage	250 sq. ft. per gallon (3 mils DFT)
Shelf Life	1 year
Colors	Clear, Gray, White (Custom Available)

SURFACE PREPARATION:

NEW CONCRETE - Remove all dust, dirt, grease and other foreign materials. For maximum adhesion, acid etch or mechanical preparation of the concrete is required. Surface must be thoroughly dry before application.

MIXING:

Mix part A and B for two minutes using a low rpm jiffy mixer or equivalent, being careful not to "whip" air into the mixed system.

APPLICATION:

Substrate temperatures should be 65 to 80 degrees F. Do not apply when the substrate temperature is below 50 degrees F. Apply by brush, roller or spray. If roller application is used, use only high quality, short nap, 3/8" roller covers. Be careful not to over-roll as air entrapment may occur. When spraying, consult the "Safety and Handling of Poly-Isocyanate Bulletin". Do not apply when moisture is present.

THINNER:

Methy Amyl Ketone (MAK) is recommended. Thin up to 25% by volume when 1400 CS is to be used as a concrete sealer. Thinning 25% will maximize concrete penetration and adhesion.

CURE TIME:

Tack free - 2 hours.

Recoat Time - 6 to 10 hours at 70 degrees F and 50% R.H.

CLEANUP:

Cured or hardened 1400 CS will bond to practically all surfaces and is extremely difficult to remove. Clean tools and mixer immediately after use with acetone or other solvent based cleaner.

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. 1400 CS contains solvent, which evaporates during the curing process, and has a potentially objectionable odor. Responsibility lies with the customer for protecting employees and food products from these odors. The cured product poses no threat of odor contamination. 1400 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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