

DESCRIPTION:

1410 CS is a premium, two-component, low VOC, aliphatic urethane, designed to be a topcoat for interior or exterior surfaces. 1410 CS is high gloss and resistant to degradation from ultraviolet light exposure. Flexibility, adhesion, abrasion resistance, and short dry times make it an ideal topcoat for many industrial applications.

ADVANTAGES:

- High Gloss - Up to 95 @ 60 degrees.
- Low VOC - < 30 g/l
- Excellent Durability
- USDA Acceptable For Incidental Food Contact.
- Excellent Adhesion
- Withstands High Pressure Cleaning
- Excellent Appearance And Gloss Retention

USES:

- Walls, Ceilings and Columns
- Floors And Equipment
- Curbs and Pump Pads

SUPPLEMENTAL PRODUCTS:

- 1000CS
- 1100CS
- Epofil
- Fibercoat
- 3300 Series Mortars

PACKAGING AND COVERAGE:

1410 CS – 1 gallon kit – covers approximately 175 - 200 square feet at approximately 3 mils DFT. A 1-gallon kit consists of the following –
1 container – Part A (resin)
1 container – Part B (hardener)

Vertical Surfaces -

4.0 - 5.0 mils wet film thickness will yield 2.4 - 3.0 mils dry film thickness.

Horizontal Surfaces -

6.0 - 8.0 mils wet film thickness will yield 3.6 - 4.8 mils dry film thickness.

Do not exceed approximately 10 mils wet, surface defects can occur.

PROPERTIES:

| | |
|---------------------------------|---|
| Pot Life | 1.5 hours |
| Volume Solids | 55% - 64% (depending on color) |
| Cure Time @ 75° F - | Tack Free - 4 hours Foot Traffic - 8 hours Full Cure - 72 hours |
| Shelf Life | 12 months in sealed containers. |
| Abrasion Resistance | 20 mg loss ASTM D4060 |
| Gloss | 90+ |
| Impact Resistance | 20 inch pounds (ASTM D2794) |
| Flexibility | 32% elongation (Conical Bend) (ASTM D422) |
| Pencil Hardness | Gouge Hardness 4H Scratch Hardness H (ASTM D3363) |
| Salt Fog | Passed - 5000hours (ASTM B117) |
| Water Vapor Transmission | 2.43 Perms (E96) |
| Color Availability | Standard Color Chart (special colors available upon request) |

SURFACE PREPARATION:

STEEL - Remove all loose rust, dirt, grease, and any other contaminants per SSPC-SP1, SSPC-SP2, SSPC-SP3.

ALUMINUM - Remove all oil, grease, or soap with a neutral detergent.

CONCRETE/MASONRY - Clean substrate with detergent and remove any laitance using high pressure washer. To maximize 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. Reduce the mixed part A and B with Clean Tap Water, at a recommended level of 5% to 20%, and mix for approximately two minutes. Reducing water should be added while the product is being agitated. A container larger than the supplied 1 gallon can (from the Part A), is suggested for mixing.

PRODUCT MUST BE THINNED FOR PROPER CURING AND FILM BUILD. For spray applications: thin to the proper consistency for the application equipment being used, and to accommodate the substrate profile.

APPLICATION:

Substrate temperatures should be 50° F to 95° F. Do not apply when the substrate temperature is below 50°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".

THINNER:

Tap Water is recommended for all applications to reduce the viscosity of the polymer. Thin the 1410 CS, 5 - 20% by volume, with tap water. The amount of water required will depend on condition of the substrate and the application equipment used.

CURE TIME:

Tack free - 4 hours.

Recoat Time - 8 to 12 hours at 75° F and 50% R.H.

Full Cure 72 hours at 75°F.

CLEANUP:

Cured or hardened 1410 CS will bond to practically all surfaces and is extremely difficult to remove. Clean tools and mixer immediately after use with isopropyl alcohol / water mixture - 1:1 by volume.

SAFETY:

Avoid skin contact. If eye contact occurs, flush with water and consult a physician immediately. Never seal a container of mixed Part A and B as the continuing reaction may cause container to explode. Responsibility lies with the customer for protecting employees and food products from chemical exposure to the coating systems. The cured product poses no threat of odor contamination. 1410 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.

Revised 4/08