

Sauereisen ConoThane Glaze provides outstanding gloss and color retention along with excellent resistance to abrasion, chemical-resistance, flexibility, weathering and UV stability. This product matches the performance of baked finishes and may be used on properly prepared and primed substrates of nearly any composition. ConoThane Glaze No. 310 white and clear are U.S.D.A. approved. The product is suitable for both interior and exterior environments.

ConoThane Glaze may be used on metal buildings, ships, offshore equipment, chemical plants, structural supports, tanks, floors, or other surfaces where maximum chemical, solvent and weather resistance is demanded. Not recommended for direct application over zinc rich primers, unprimed galvanized or concrete surfaces or in areas of continuous food contact.

CHARACTERISTICS

- o Apply by spray, brush or roller
- o Color: Light Grey
- o Unit Size 1.5 Gallon
- o Chemical resistant.
- o Authorized by USDA for use in federally inspected meat & poultry plants.
- o A two-component polyester / aliphatic polyurethane
- o Finish Characteristics- High gloss (<80 at 60 degrees @ glossmeter)

AREA PREPARATION

Temperature of Working Area

Maintain a temperature of 60°-90°F on air, substrate, Liquid, and Hardener components during mixing, application, and cure. The material components should be maintained at 60°F to 90°F for 48 hours prior to beginning work.

At temperatures below 65°F, the application becomes more difficult and curing is retarded. Above 80°F, the material working time decreases.

Application in direct sunlight and rising surface temperatures may result in blistering of materials due to expansion of entrapped air or moisture in the substrate.



PHYSICAL PROPERTIES

Abrasion resistance (ASTM D-5060)	20 mg. loss after 1,000 cycles (CS-17 Wheel)
Adhesion (ASTM D-3359)	360psi@elcometer (concrete failure, no delamination)
Flexibility (ASTM D-1737)	No cracks on a 1/8" Mandrel
Hardness (Shore D)	72
Impact Resistance: Gardner Impact, direct & reverse	=160 in. lb. Passed
Mix Ratio:	1 Part A (Hardener) to 2 Parts B (Resin) by Volume
Percent Solids (+/-2%)	By Weight - 56.0% Volume - 53.0%
Pot life	2 to 5 hours @ 70°F
Resin type:	Polyester /Aliphatic Polyurethane (2:1 mixing ratio, kit)
Recommended Thickness:	3.5 mils per coat, wet thickness (yields 2-3 mils dry)
Shelf Life:	1 year
Viscosity (Mixed)	= 200-400 cps
Volatile Organic Content (VOC):	Less than 448 g/l.

Physical properties were determined on specimens prepared under laboratory conditions using applicable ASTM procedures. Actual field conditions may vary and yield different results; therefore, data are subject to reasonable deviation.

Concrete that has been in direct sunlight must be shaded 24 hours prior to application and remain shaded until after the initial set. When the surface temperatures are rising, it may be necessary to postpone the application or to apply during cooler hours.

Surface Preparation

Metal - Abrasive blast to a nominal 2.5 mil profile employing a near white metal SSPC-SP10 finish. All welds must be continuous, free of flux and have a smooth rounded radius without any sharp edges. For applications over metal surfaces, ConoThane Glaze should be used in conjunction with an appropriate epoxy or urethane primer.

New Concrete - All structures must have the necessary strength to withstand imposed loads during normal use and operation. Surface should be floated free of ridges or depressions and all voids are to be filled with Sauereisen Underlayment No. F-120, Filler Compound No. 209 or Universal Block Filler No. 509. The choice of underlayment will depend on the severity of the voids to be filled and the type of primer specified. Surfaces should be sloped a maximum of 1/4 inch per foot for drainage.

Surfaces should be made free of oil, grease, water, and other contaminants that may inhibit bond. This can be achieved by chemical cleaning. Abrasive blast, high-pressure water blast, or acid etch concrete to remove laitance and obtain uniform surface texture exposing fine aggregate resembling coarse sandpaper. For applications over new concrete surfaces, ConoThane Glaze should be used in conjunction with an appropriate epoxy or urethane primer.

Old Concrete - Concrete must be dry, firm and must have the necessary strength to withstand imposed loads during normal use and operation.

Mechanical methods should be utilized to remove laitance, old paints, protective coatings, and attacked or deteriorated concrete. Surfaces should be made free of oil, grease, water, and other contaminants that may inhibit bond. This can be achieved by chemical cleaning.

Abrasive blast, high-pressure water blast, or acid etch concrete to obtain uniform sound substrate. All prepared surfaces must be allowed to dry prior to the primer application.

Structural cracks should be repaired with Sauereisen Filler Compound No. 209 or Universal Block Filler No. 509, and all slopes reestablished with Underlayment No. F-120 prior to applying an appropriate epoxy or urethane primer.

Prior to application of the ConoThane Glaze, inspect the primed surface for voids, bubbles or defects that may result in blistering or pinholes in the lining. Repair as necessary to ensure a sealed surface.

Other substrates - ConoThane Glaze is commonly used as a topcoat over other basecoat materials.

The recoat window is up to 24 hours at 70°F as long as the material is capable of supporting itself. If the recoat window is exceeded consult Sauereisen for recommendations.

RECOAT OR TOPCOATING: Multiple coats of this product are acceptable. If you opt to recoat this product, you must first be sure that all of the solvents have evaporated from the coating during the curing process. However, it is best to test the coating before recoating or topcoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat can be started.

Always remember that colder temperatures will require more cure time for the product before recoating can commence. Before recoating or topcoating, check the coating to insure no contaminants exist. If a blush or contaminants are present on a previous coat, remove with a standard detergent cleaner. When recoating this product with subsequent coats of the urethane, it is advisable to apply the recoat before 24 hours pass. Also, it is advisable to degloss the previous coat to insure a trouble free bond.

APPLICATION

Mixing

Stir No. 310 Part B component to assure even dispersment of pigment. Mix the 'A' and 'B' components together as packaged (1 Part A to 2 Parts B by Volume), thoroughly.

Installation

Apply ConoThane Glaze by conventional, airless, or HVLP spray equipment. Material should be applied at a nominal 3.5 mils to achieve the necessary 2.0 mils dry film thickness. ConoThane Glaze can also be brushed or rolled.

It is very important to use an NIOSH-23C approved respirator when spraying ConoThane Glaze. Do not apply ConoThane Glaze over lacquers. Do not apply ConoThane Glaze when surface or air temperatures are below 60°F or above 90°F. Do not apply if rain is threatening or if surface temperature is within 5°F of critical dew point.

COVERAGE

Estimated coverage is 320 to 500 square feet per gallon at 3.5 mils wet thickness.

PACKAGING

ConoThane Glaze No. 310 is packaged in a 1.5 Gallon Unit

Part A - Hardener is packaged in a 1/2 gallon metal can. Weight is 4.25 pounds.

Part B - Resin is packaged in a one gallon metal can. Weight is 10.27 pounds.

Mix Ratio: 1 Part A to 2 Parts B by Volume. **Do not split Units.**

Color is Light Grey

CURE SCHEDULE (70 Degrees F)

Pot Life	2-5 hours
Tack Free (Dry to Touch)	2-4 hours
Recoat or Topcoat	4-8 hours
Light Foot Traffic	14-24 hours
Full Cure (Heavy Traffic)	3-5 Days

Application Temperature: 45-90 degrees F with relative humidity below 90%

CAUTION

Consult Material Safety Data Sheets and container label Caution Statements for hazards in handling these materials.

LEGAL NOTICE

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WARRANTY

We warrant that our goods will conform to the description contained in the order, and that we have good title to all goods sold. WE GIVE NO WARRANTY, WHETHER OF MERCHANTABILITY, FITNESS FOR PURPOSE OR OTHERWISE, EXPRESS OR IMPLIED, OTHER THAN AS EXPRESSLY SET FORTH HEREIN. We are glad to offer suggestions or to refer you to customers using Sauereisen cements and compounds for a similar application. Users shall determine the suitability of the product for intended application before using, and users assume all risk and liability whatsoever in connection therewith regardless of any suggestions as to application or construction. In no event shall we be liable hereunder or otherwise for incidental or consequential damages. Our liability and your exclusive remedy hereunder or otherwise, in law or in equity, shall be expressly limited to our replacement of non-conforming goods at our factory or, at our sole option, to repayment of the purchase price of non-conforming goods.

SAUERISEN

...since 1899
160 Gamma Drive
Pittsburgh, PA 15238-2989 USA
Phone 412.963.0303 Fax 412.963.7620
www.sauereisen.com