

Sauereisen ConoThane Glaze provides outstanding gloss and color retention along with excellent resistance to abrasion and chemicals, including solvents. 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, water towers, structural supports, tanks, bridges, heavy equipment, 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 Chemical resistant.
- o Authorized by USDA for use in federally inspected meat and poultry plants.
- o Meets performance MIL-C-83286, MIL-C-83445.

## 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 65°F to 85°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

## PHYSICAL PROPERTIES

Abrasion resistance (ASTM D-5060)	80 mg. loss after 1,000 cycles (CS-10 Wheel)
Accelerated weathering (ASTM G-53)	95% Gloss retention @ 1000 hours
Adhesion (ASTM D-3359)	Pass 5B
Flash point	49°F (Seta)
Flexibility (ASTM D-1737)	Pass 1/4" Mandrel
Percent solids	Weight - 60.0% Volume - 56.5%
Pot life	4 to 6 hours @ 70°F
Resin type	Aliphatic Acrylic Urethane (3:1 mixing ratio, kit)
Sag rating	Pass 6 mils (Lenetta)
Specular gloss	85-90% @ 60 degrees
Thickness	3.5 mils (wet), 2 mils (dry)
Viscosity	65 ± 5 Krebs units (mixed)
Weight per gallon	11.9 lbs.

**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.**

entrapped air or moisture in the substrate. 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.

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## ...Surface Preparation, continued.

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. In these applications, apply ConoThane Glaze while the basecoat is still tacky. If the basecoat has cured significantly, contact Sauereisen for recommendations.

## APPLICATION

### Mixing

Stir No. 310 Part B component to assure even dispersement of pigment. Mix the 'A' and 'B' components together (3 to 1 ratio) thoroughly and allow 15 minute induction time before application.

### 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 450 square feet per gallon at 3.5 mils wet film thickness.

## PACKAGING

Part A - Hardener is packaged in a quart container.

Part B - Resin is packaged in a gallon container.

## 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.

- o **Distributors and agents in major cities throughout the world. Consult manufacturer for locations.**
- o **Information concerning government safety regulations available upon request.**
- o **Sauereisen also produces inorganic compounds for assembling, sealing, electrically insulating and grouting.**

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