

High-Build, 100% Solids, Primerless, Advanced Chemical Resistant Epoxy



PRODUCT APPLICATIONS

Two-part, high-build, primerless, 100% solids, solvent-free epoxy coating for concrete and metal. Produces a thick durable polymer film that protects the surface from penetration when exposed to gasoline, oil, hydrocarbons, bases, acids, and many other chemicals. High-build formula allows for excellent coverage and protection over irregular shapes.

SEALING PROPERTIES

- Thick, durable, solid coating after cure.
- High-build polymer film protects against water intrusion.
- Excellent chemical resistance.
- Indoor application.
- Cure time: 4 Hours @72°F (22°C).
- In service: 24 hours minimum.
- Pot life after mixing (when transferred to paint tray): 30 minutes @77°F (25°C)
1 hour @40°F (4°C)
- No blistering, peeling, or chipping when tested in accordance with **ASTM G210-13 (23)**, "Severe Wastewater Analysis Testing" (SWAT).
- No mass loss when immersed in 0.5 pH sulfuric acid in accordance with **ASTM C1898-20**, "Chemical Resistance of Concrete Products to Acid Attack".

PHYSICAL PROPERTIES & CHEMICAL COMPOSITION

Description	Test Method	CS-98
Colors		Black, Gray, Red, Orange, Green, Yellow, Blue
Solids Content		100%
Adhesion to Brushed Steel	ASTM D4541	1,900 psi
Bond Strength	ASTM C882	7,382 psi
Adhesion to Concrete	ASTM D7234	Substrate Failure
Abrasion Resistance	ASTM D4060	7.3mg loss (1 kg - 1000 cycle CS-17 wheel)
Flexural Strength	ASTM D790	17,000 psi
Salt Fog Exposure	ASTM B117	No rusting after 1000 Hours
Product Storage Temperature		40°F to 104°F (4°C to 40°C)
Product Shelf Life		12 months (unopened)

AFTER MIXING, DO NOT LEAVE IN BUCKET; WILL RAPIDLY CURE AT DANGEROUS TEMPERATURES

READ AND UNDERSTAND ALL SAFETY PRECAUTIONS BEFORE USE. WEAR APPROPRIATE PPE, INCLUDING CHEMICAL-RESISTANT GLOVES, PROTECTIVE CLOTHING, AND EYE AND FACE PROTECTION. USE APPROVED RESPIRATORY PROTECTION WHERE VENTILATION IS INADEQUATE. AVOID INHALATION OF FUMES FROM PART B AND THE MIXED COATING. WASH THOROUGHLY AFTER HANDLING. SEE THE COMPLETE SAFETY DATA SHEET (SDS) FOR ADDITIONAL SAFETY INFORMATION AND HANDLING REQUIREMENTS.

DIRECTIONS FOR USE

REFERENCE INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS, AND CONTACT CONCRETE SEALANTS FOR PROJECT-SPECIFIC GUIDANCE.

Environmental Conditions: The ideal application temperature range is between 40°F and 120°F (4°C to 49°C). Allow the substrate temperature to reach or exceed the surrounding air temperature prior to coating. The substrate temperature must be 5°F (3°C) above the dew point. Coating shall be applied when the air temperature is stable or falling. Avoid coating CS-98 in direct sunlight.

Substrate Condition: CS-98 must be applied to clean, structurally sound, dry substrate. ConSeal CS-98 does not require a surface primer.

Surface Preparation For Concrete: Remove loose concrete or laitance and expose surface voids by pressure washing (3,500 psi minimum), sand blasting, or other methods as described in ASTM D4259. Detergent water cleaning and steam cleaning as described in ASTM D4258 may be used to remove oils and grease from the concrete surface. Bugholes, pinholes, and honeycombing shall be filled using a suitable material such as Rubcrete by ALP or an equivalent product. Static hairline cracks should be sealed with a cementitious paste or with an epoxy injection in accordance with ASTM C881.

DO NOT USE PETROLEUM SOLVENTS SUCH AS MINERAL SPIRITS OR XYLENE FOR SURFACE PREPARATION.

Mixing Information, Application, & Curing Time Requirements

Color: Part A: Color; Part B: Yellow-White/Dark Beige.

Mix Ratio A:B 2:1 ratio by weight, do not thin or dilute.

Mix Instructions: Stir each part separately. Add Part A into Part B and mix continuously until a uniform mixture is achieved. For proper performance, CS-98 must be mechanically mixed using a powered drill and paddle mixer. Start and stop drill with mixer blades fully submerged.

Application Method: Apply CS-98 using a brush, roller, or professional spray equipment.

Curing and Recoat: The coating will typically cure within 4 to 6 hours, with cure time decreasing at higher ambient temperatures. CS-98 will not cure effectively at temperatures below 40°F (4°C). If an additional coat is required, lightly abrade the cured surface prior to reapplication to ensure proper adhesion.

Recommended Film Thickness: 30-mil dry (minimum). Apply liberally; no shrinkage upon cure (Dry film thickness is equivalent to wet film thickness).

Coverage Rate: 50 SF/gal (30-mil dry).

Clean Up: Mechanical scraping will be necessary to clean up cured product.

CS-98 can be cleaned with denatured alcohol, MEK, or acetone while wet.

LIMITED WARRANTY

This information is presented in good faith, but we cannot anticipate all conditions under which this information and our products, or the products of other manufactures in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combinations for their own purposes. It is the users' responsibility to satisfy himself as to the suitability and completeness of such information for this own particular use. We sell this product without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of this product, whether used alone or in combination with other products.

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