



INSTALLATION INSTRUCTIONS CS-98

CS-98 is a 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.

GENERAL GUIDELINES

- Contact the Concrete Sealants technical staff for guidance on project-specific coating selection.
- Do not use on surfaces with an existing coating unless the coating is completely removed or otherwise advised by Concrete Sealants technical staff.
- All damaged concrete (i.e. excessive honeycombing, large cracks, etc.) shall be evaluated and repaired by the concrete producer and is outside the scope of these instructions.
- Refer to ConSeal CS-98 Technical Data Sheet and Safety Data Sheet for additional information.
- When using a coating for the first time, it is advisable to coat a small test patch on a representative section of concrete and verify adhesion before proceeding to large scale coating projects.
- Do not thin or dilute any ConSeal coatings before use.

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.

- **Clean:** Substrate must be free of dust, dirt, grease, form release agents, laitance, debris, or other contaminants that may inhibit bonding.
- **Structurally Sound:** Substrate must be uniform and free of bugholes, pinholes, honeycombing, cracks, or other surface defects.
- **Dry:** Substrate must be dry to the touch.

SURFACE PREPARATION

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.

PRIMING

ConSeal CS-98 does not require a surface primer.

MIXING AND HANDLING

Stir both Part A and Part B components thoroughly in their separate containers before use. For proper performance, CS-98 must be mechanically mixed using a powered drill and paddle mixer. Hand mixing is not recommended, as it will not adequately blend the components.

Once stirred individually, gradually combine the entirety of Part A into Part B at a 2:1 mix ratio by weight. Fully submerge the paddle mixer blades before starting the drill, stir continuously until a uniform mixture is achieved and do not remove the mixer until the blades have completely stopped spinning. Unless spraying, promptly transfer the mixed coating into a paint tray to prevent excessive heat buildup, which may occur if the material is left in the mixing container and can present a burn hazard. Always mix in a well ventilated area and avoid inhaling fumes from Part B immediately after opening.

POT LIFE

Pot life when distributed into a paint tray is approximately 30 minutes at 77°F (25°C).

APPLICATION

Apply CS-98 using a brush or roller at a recommended minimum thickness of 30 mils wet. CS-98 may also be applied using professional spray equipment; contact ConSeal for additional details.

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.

Note: Color changes that occur from UV exposure do not affect product performance.

DRY FILM THICKNESS

30-mil minimum dry film thickness is required to meet intended product performance. Thicker applications do not affect the performance of CS-98.

STORAGE

Always keep the containers sealed when they are not being used. Ensure that unopened containers are safeguarded against water, heat, and direct sunlight. It is important to store these original, sealed containers in an environment that is both cool and dry, ideally within a temperature range of 40°F to 104°F (4°C to 40°C). Be aware that storing the product at temperatures above 104°F (40°C) can decrease its shelf life. Once opened, pails should be used within six months for optimal quality. If a spill occurs, contain it using an inert absorbent material, like sand, vermiculite, or kitty litter. Then, dispose of the waste responsibly, following all relevant local, state, and federal environmental regulations.

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.

DISCLAIMER: This publication is to assist users to understand the proper use of ConSeal's products. Contact ConSeal's technical staff for installation instructions that meet your specific requirement. Concrete Sealants, Inc. does not warranty any improper use of its products.