



EUCLID CHEMICAL

BROWNTONE CS

Solvent-Based, Pigmented Cure & Seal
for Exposed Aggregate Concrete

Curing and Sealing

Description

BROWNTONE CS is a solvent-based acrylic polymer blend that cures, seals, and enhances the appearance of exposed aggregate concrete surfaces. BROWNTONE CS is specially formulated with earth-toned pigments that highlight the natural color of the aggregate, making exposed aggregate surfaces look more even in color and richer in appearance. BROWNTONE CS also provides protection against the damaging effects of traffic, weather, and de-icing salts. Although especially formulated for exposed aggregate concrete, BROWNTONE CS can be used on any concrete surfaces - new or old - where a translucent brown tint is desired.

Primary Applications

- Curing and sealing exposed aggregate concrete

Features/Benefits

- Enhances the natural tone and evens out the color of exposed aggregate concrete
- Cures and seals new concrete in one step
- Protects concrete from the damaging effects of weather and traffic
- Non-yellowing

Technical Information

The following information was obtained under laboratory conditions (73°F (24°C), 50% relative humidity)

Dry to Touch	< 1 hour	VOC Content	653 g/L
Recoat	4 hours minimum	Solids Content (by weight)	26-28%
Foot Traffic	4 to 6 hours	Moisture Loss ASTM C156	< 0.40 kg/m ²
Wheel Traffic	6 to 10 hours		

Appearance: BROWNTONE CS is a brown liquid in the container. After application and drying, BROWNTONE CS will greatly darken concrete to a brown color, and will have a medium-gloss finish. A small test area is strongly recommended to confirm appearance prior to beginning full application.

*Lower concrete temperatures, lower ambient temperatures, higher relative humidity, or a combination of the above will extend drying times.

Packaging

BROWNTONE CS is packaged in 55 gal (208 L) drums and 5 gal (18.9 L) pails

Shelf Life

2 years in original, unopened container

Specifications/Compliances

ASTM C1315, Type 1, Class A
ASTM C309, Type 1, Classes A & B
USDA compliant

Coverage

Application ft ² /gal (m ² /L)	First Coat	Second Coat (Optional)
Curing & Sealing Fresh Concrete	300 to 400 (7.4 to 9.8)	400 to 450 (9.8 to 11.0)
Sealing or Re-sealing Existing/Cured Concrete	400 to 450 (9.8 to 11.0)	450 to 500 (11.0 to 12.3)

NOTE: Coverage rates are approximate. Actual coverage depends on temperature, texture, and substrate porosity. **Avoid excessive build-up of sealer, as this may cause discoloration and/or poor product performance.**

BROWNTONE CS

Master Format #:
03 39 23

Directions for Use

Surface Preparation: For existing concrete, the surface must be clean of any and all surface contaminants, and free of standing water. If applying BROWNTONE CS to previously sealed concrete, call Euclid Chemical to check compatibility. If the chemical makeup of the previous sealer is unknown, a small test section is strongly recommended to check compatibility between BROWNTONE CS and the old sealer. When applying BROWNTONE CS to freshly poured concrete as a cure & seal, the surface bleed water must be allowed to evaporate prior to applying BROWNTONE CS, and the surface must be hard enough as to not be marred during product application.

Mixing: BROWNTONE CS should be gently agitated/mixed prior to use to distribute pigments evenly. If using Euco Grip with this sealer, please refer to that product's technical data sheet for mixing instructions.

Application: Apply at the recommended coverage rate using an industrial, solvent-resistant pump-up sprayer with a high-solids nozzle and a short-nap, solvent-resistant roller. Apply sealer uniformly to the concrete using sprayer, then lightly backroll the sealer to ensure even coverage. Maintain a "wet edge" while spraying, and backroll over sprayer lap marks for best appearance. BROWNTONE CS may be applied by roller alone, but extra care must be taken to ensure that the sealer is applied uniformly, and at the proper coverage rate. Re-distribute any puddles or runs before BROWNTONE CS dries. Protect freshly coated surfaces from rain or heavy fog for a minimum of 12 hours after application.

Application of BROWNTONE CS too heavily, in too many successive coats, or in multiple coats from re-sealing too frequently can cause bubbling, whitening, peeling, flaking, and ultimately, failure of the product. To prevent over-application, it is good practice to measure the area to be sealed and then measure the corresponding volume of product required based on the coverage rate. In addition, applying BROWNTONE CS in hot weather/direct sunlight or onto a hot surface can cause bubbling.

For additional guidance in applying Euclid Chemical curing and sealing compounds, visit our website to see an instructional video on the procedure.

Clean-Up

Tools and equipment may be cleaned with EUCO SOLVENT, xylene/xylol, or acetone (always follow package directions and warning labels) immediately following use. Clean drips and overspray with one of the above solvents while still wet. Run cleaning solvent through spray equipment to remove residual materials and prevent clogging of nozzle in future use. If not cleaned immediately, the sealer may leave an unwanted residue on painted surfaces, glass, or wood.

Removal

Dried, cured BROWNTONE CS may be removed with a strong solvent such as EUCO SOLVENT, xylene/xylol, or MEK (always follow package directions and warning labels). EUCO CLEAN & STRIP is a citrus-based stripper that can also be used to remove this product. Alternatively, the product can be removed by sandblasting or by other similar mechanical means.

Precautions/Limitations

- Keep BROWNTONE CS away from open flames, sparks, or other sources of ignition
- If using BROWNTONE CS indoors, ensure adequate fresh air ventilation and block all HVAC ducts which may distribute solvent odor. Extinguish any pilot lights or other sources of ignition prior to starting BROWNTONE CS application.
- BROWNTONE CS will not freeze in storage, but should be allowed to reach at least 50°F (10°C) before use
- Surface and ambient temperature during coating applications should be between 40°F and 90°F (4°C and 32°C)
- Do not apply BROWNTONE CS to frost-filled or frozen substrates
- Do not apply BROWNTONE CS in hot direct sunlight
- Do not apply BROWNTONE CS over bleed water or free-standing water
- Do not apply BROWNTONE CS if rain or heavy fog is expected within 12 hours of application
- Do not thin BROWNTONE CS
- BROWNTONE CS is not resistant to gasoline or other automotive fluids
- BROWNTONE CS will enhance color and darken substrates
- Excessive build up of BROWNTONE CS or puddling of the product during application can lead to failure to dry completely, bubbling, whitening, peeling and/or flaking of the sealer, and discoloration of the concrete
- Applying thicker than recommended, applying in cool/cold weather, prolonged exposure to moisture (high humidity, rain), or lack of air flow may result in the sealer remaining soft/wet/tacky for longer than the times found on this data sheet
- When floor covering adhesives will be used following BROWNTONE CS application, a test area is recommended to ensure compatibility of the adhesive with BROWNTONE CS
- Application of a test area is strongly recommended to confirm final appearance and texture of the product with the end user
- In all cases, consult the product Safety Data Sheet before use

Rev. 02.17

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.