



EUCLID CHEMICAL

LUSTER SEAL 300

SOLVENT-BASED, PURE ACRYLIC CURE & SEAL FOR CONCRETE

DESCRIPTION

LUSTER SEAL 300 is a pure acrylic concrete cure & seal that protects and enhances the appearance of cured concrete with a clear, non-yellowing seal that is harder and more durable than standard cure and seal products. LUSTER SEAL 300 is specially formulated to enhance the color of stamped concrete, exposed aggregate, and colored concrete pavers, making these surfaces look deeper and richer in appearance. It provides protection against the damaging effects of traffic, weather, and de-icing salts. LUSTER SEAL 300 gives concrete a satin finish that highlights the color and texture of surfaces without excessive shine. LUSTER SEAL 300 can be tinted with Euclid Universal Color Packs, which are available in 33 standard colors.

PRIMARY APPLICATIONS

- Stamped concrete
- Terrazzo
- Driveways and sidewalks
- Concrete pavers
- Decorative concrete overlays
- Acid-stained concrete

FEATURES/BENEFITS

- Advanced acrylic formulation ensures no yellowing and a more durable seal
- Enhances the appearance of colored concrete
- Can be tinted with Euclid Universal Color Packs to even out variegated concrete surfaces

TECHNICAL INFORMATION

Typical Engineering Data

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

DRY TO TOUCH	< 1 hour	VOC CONTENT	681 g/L
RECOAT	4 hours minimum	SOLIDS CONTENT (BY WEIGHT)	> 25%
FOOT TRAFFIC	4 to 6 hours	MOISTURE LOSS ASTM C156	< 0.40 kg/m ²
WHEEL TRAFFIC	6 to 10 hours		

Appearance: LUSTER SEAL 300 is a clear liquid in the container. After application and drying, LUSTER SEAL 300 will greatly darken concrete, 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

LUSTER SEAL 300 is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails, and in cases of 1 gal (3.8 L) jugs (4 jugs per case).

SHELF LIFE

3 years in original, unopened container

SPECIFICATIONS/COMPLIANCES

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

COVERAGE

<u>Application</u> ft ² /gal (m ² /L)	<u>First Coat</u>	<u>Second Coat (Optional)</u>
Curing & Sealing Fresh Concrete	300 to 350 (7.4 to 8.6)	350 to 400 (8.6 to 9.8)
Sealing or Re-sealing Existing/Cured Concrete	350 to 400 (8.6 to 9.8)	350 to 400 (8.6 to 9.8)

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.**

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 LUSTER SEAL 300 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 LUSTER SEAL 300 and the old sealer. When applying LUSTER SEAL 300 to freshly poured concrete as a cure & seal, the surface bleed water must be allowed to evaporate prior to applying LUSTER SEAL 300, and the surface must be hard enough as to not be marred during product application.

Mixing: LUSTER SEAL 300 requires no pre-blending prior to use. If using Euclid Universal Color Packs or Euco Grip with this sealer, please refer to those products' technical data sheets 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. LUSTER SEAL 300 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 LUSTER SEAL 300 dries. Protect freshly coated surfaces from rain or heavy fog for a minimum of 12 hours after application.

Application of LUSTER SEAL 300 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 LUSTER SEAL 300 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/xylo, 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 LUSTER SEAL 300 may be removed with a strong solvent such as EUCO SOLVENT, xylene/xylo, 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 LUSTER SEAL 300 away from open flames, sparks, or other sources of ignition
- If using LUSTER SEAL 300 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 LUSTER SEAL 300 application.
- LUSTER SEAL 300 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 LUSTER SEAL 300 to frost-filled or frozen substrates
- Do not apply LUSTER SEAL 300 in hot direct sunlight
- Do not apply LUSTER SEAL 300 over bleed water or free-standing water
- Do not apply LUSTER SEAL 300 if rain or heavy fog is expected within 12 hours of application
- Do not thin LUSTER SEAL 300
- LUSTER SEAL 300 is not resistant to gasoline or other automotive fluids
- LUSTER SEAL 300 will enhance color and darken substrates
- Excessive build up of LUSTER SEAL 300 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 LUSTER SEAL 300 application, a test area is recommended to ensure compatibility of the adhesive with LUSTER SEAL 300
- 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. 01.19

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