



EUCLID CHEMICAL

# LUSTER SEAL 300

Acrylic Cure & Seal For Concrete

Curing and Sealing

LUSTER SEAL 300

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## Description

Luster Seal 300 is an acrylic concrete cure & seal that protects and enhances the appearance of cured concrete with a clear, non-yellowing seal that is 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 results were developed under laboratory conditions.

<b>Drying time* at 73°F, 50% RH:</b> ..... < 1 hour	<b>Alkali resistance</b>
<b>Recoat</b> ..... 4 to 24 hours	48 hour exposure..... excellent
<b>Foot traffic</b> ..... 4 to 6 hours	<b>Resistance to yellowing</b>
<b>Wheel traffic</b> ..... 6 to 10 hours	<b>from UV exposure.</b> ..... excellent
<b>VOC content</b> ..... < 700 g/L	<b>Solids content</b> ..... > 25%
<b>Adhesion to concrete</b> ..... excellent	<b>Moisture loss (ASTM C 156)</b> ..... < 0.40 kg/m <sup>2</sup>

\*Low concrete or air temperature and/or high relative humidity will extend drying time.

**Appearance:** Luster Seal 300 is a clear sealer that will darken and highlight the color of concrete, masonry, pavers, etc. Luster Seal 300 can also be tinted with Euclid Universal Color Packs (EUCLID UNIVERSAL COLOR CHART for available colors).

## Packaging

Luster Seal 300 is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails and 4/1 gal (3.8 L) units per case.

## Shelf Life

3 years in original, unopened container.

## Specifications/Compliances

- ASTM C 1315, Type 1, Class A
- ASTM C 309, Type 1, Class A & B
- USDA compliant

## Coverage

**First coat:** .....300 ft<sup>2</sup>/gallon (7.3 m<sup>2</sup>/L)

**Second coat:** .....400 ft<sup>2</sup>/gallon (9.8 m<sup>2</sup>/L)

Coverage will vary from the above rates depending on surface porosity and texture.

## Directions for Use

**Surface Preparation:** The concrete surface must be clean and free of puddled or standing water. Although compatible with other Euclid Chemical solvent-based curing and sealing products, best results are obtained when applying Luster Seal 300 on bare, unsealed concrete. *Luster Seal 300 can not be applied over curing compounds.* When applying to new stamped concrete, the surface must be free of all residual release agent powder.

**Mixing:** Luster Seal 300 requires no preblending and should be used directly from the container. If a color is needed, mix 2 to 3 Euclid Universal Color Packs into a 5 gal (18.9 L) pail of Luster Seal 300 for a translucent finish. If an opaque finish is required, mix 4 to 5 Euclid Universal Color Packs into the pail. Frequently stir the tinted Luster Seal 300 to keep the color packs in suspension while applying.

**Application:** Apply at a uniform coverage with an industrial hand held pump-up or airless sprayer, or by roller. Common garden-type sprayers should not be used. If applying by roller, use a short 3/8" nap, solvent resistant roller cover. The first coat of Luster Seal 300 acts as a primer for the second coat. Allow the first coat to dry tack-free before applying the second coat. Best performance and appearance is achieved with two coats, following the prescribed coverage rates. Tinted Luster Seal 300 is best applied with a short nap roller for better and more uniform coverage. If you have to spray tinted Luster Seal 300, it is good practice to put 2 golf balls in the sprayer and shake frequently to help keep the color packs in suspension. Backrolling aids in evening out the sprayed application.

Application of Luster Seal 300 too heavily, in too many successive coats, or in multiple coats over time can cause bubbling, whitening, peeling, and ultimate failure of the product. To prevent over-application, it is good practice to measure the area to be sealed and the corresponding volume of product required based on the coverage rate. Also, applying Luster Seal 300 in hot weather or onto a hot surface can cause bubbling. If Luster Seal 300 is showing signs of over-application, scrub the surface with a solvent such as acetone\* or xylene\*, using a stiff natural bristle brush. Keep the surface wet with the solvent while scrubbing, adding more if necessary. The solvent will turn the sealer back into a liquid form, at which point excess material can be wiped off with a lint-free mop or towel. Do not apply additional sealer. After removing the excess Luster Seal 300, a roller can be used to redistribute the remaining product evenly across the surface, adding more solvent as necessary to keep the sealer wet.

\*Available at home improvement stores. Follow all safety precautions printed on the package.

## Removal

Dried, cured Luster Seal 300 may be removed with strong solvents such as acetone or xylene (Always follow package directions and warning labels). EUCO CLEAN & STRIP is a citrus based stripper that can also be used to remove Luster Seal 300. Alternatively, the product can be removed by sandblasting or by other similar mechanical action.

## Clean-Up

Tools and equipment may be cleaned with EUCO SOLVENT, xylene, xylol or toluene. Run cleaning solvent through spray equipment to remove residual materials and prevent clogging of nozzle in future use.

## Precautions/Limitations

- Use with adequate ventilation. Block all HVAC ventilation ducts which may distribute solvent odor. Keep away from open flames. If solvent odor is objectionable, the use of a water-based, low odor product may be preferred.
- Luster Seal 300 will deepen the color of concrete. To seal concrete without a change in appearance, the use of a penetrating sealer such as EUCO-GUARD 100 or any of the BARACADE sealers are recommended.
- Material will not freeze in storage but should be allowed to rise to 50°F (10°C) or more before use.
- Do not apply when concrete surfaces or ambient temperatures are below 40°F (4°C), or if rain is expected within 12 hours after application. Application in hot direct sunlight or when concrete and/or air temperatures are 95°F (35°C) and above can cause bubbling.
- Excessive build-up of Luster Seal 300 or puddling of the product during application can lead to improper curing, bubbling, and discoloration.
- Do not apply over curing compounds.
- Tinted Luster Seal 300 is a thin film cure and seal and it will wear over time. It is not intended to be a coating or permanent fix to poorly colored or finished concrete.
- Before installing carpet, tile and floor covering adhesives, a test section is recommended to ensure compatibility.
- Not resistant to gasoline or other automotive fluids.
- Do not thin this product.
- In all cases, consult the Safety Data Sheet before use.

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