

# SURFKOAT.

Surface Coatings, Inc.  
Manufacturers of Industrial and Decorative Concrete Materials

Technical Data Sheet

## LUSTER SHIELD™ 350 VOC

25% solids acrylic copolymer concrete sealer

LOW VOC - DECORATIVE CONCRETE SEALERS



Luster Shield 350 VOC is a glossy, UV resistant acrylic copolymer concrete sealer intended for all types of concrete. Luster Shield 350 VOC offers improved resistance to rain, the sun, freezing temperatures, stains, and other pollutants that sometimes can be hazardous to concrete. Applying Luster Shield 350 VOC to exposed aggregate will also help to eliminate loose pebbles and premature wear. Luster Shield 350 VOC can also be used in cure & seal applications.



### Specifications / Compliances

- ASTM C-309, Type 1, Class A & B
- ASTM C-1315, Type 1, Class A
- AASHTO M-148, Type 1, Class A & B
- Dried coating is USDA accepted
- Meets OTC, CARB & LADCO VOC restrictions.

### Key Features & Typical Benefits

- Low solids for easy application with roller or sprayer.
- Excellent penetration and adhesion to clean, unsealed new or old concrete.
- Non-yellowing, medium to high gloss finish.
- Can be applied as a re-seal over previously sealed concrete surfaces previously sealed with acrylic sealers (test for compatibility first).
- Useful for decorative concrete and cure and seal applications.
- VOC compliant for most areas in the United States and Canada.

### Recommended Applications

- Effective on applications such as...
- Stamped Concrete
  - Stenciled Concrete
  - Acid Stained Concrete
  - Overlaid/Microtopped Concrete
  - Exposed Aggregate Concrete
  - Smooth Trowel Concrete
  - Broom Finish Concrete
  - Most other new or existing concrete surfaces where water damage resistance is required.

### Typical Properties & Technical Information

PROPERTY	VALUE
Solids/Active Content, Percentage by weight	25% +/- 1%
Dry Time - Tack Free	30 minutes - 1 hour
Dry Time - Foot Traffic	4 hours - 6 hours
Dry Time - Heavy Traffic	24 hours - 48 hours
Re-Coat Time Window	4 hours - 24 hours
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	Less than 350 grams/Liter
Appearance - Wet	Clear (May show slight haze)
Appearance - Dry	Clear and Medium/High Gloss

Testing in accordance with procedures outlined in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.

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# Luster Shield 350 VOC

## Application Instructions

**SURFACE PREP:** Concrete surface must be clean and free of all contaminants and water. Do not apply if rain is forecast within 24 hours. If moisture is present or if the surface is not clean and free of all contaminants, the sealer may have white spots and have premature delamination and failure. For cure & seal applications, this product may be applied when damp (not "wet") to freshly placed concrete surfaces. Horizontal surfaces must be finished and show no "sheen" from bleed water.

Substrate and air temperature must be no less than 40° F and not exceed 80° F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing. Note that in direct sunlight, substrate temperature can exceed 150° F which can cause extreme bubbling issues. Low VOC solvent based sealers dry faster than traditional 700 VOC sealers. Apply on cool, overcast days to avoid issues. Do not apply if the temperature is expected to achieve 85° F or higher.

**MIXING:** Stir well before using. Material may separate during long term storage.

**COVERAGE RATE:** *First Coat* : 250 - 350 ft<sup>2</sup> per gallon\*     *Optional Second Coat* : 350 - 400 ft<sup>2</sup> per gallon\*

\*Coverage rates may vary depending upon surface porosity, texture, application method and prior sealer application. Excessive build up should be avoided.

**APPLICATION:** Apply using a 3/8" – 1/2" nap roller cover using long even uniform strokes at approximately 250-400 square feet per gallon depending on porosity and texture of substrate. A Chapin style solvent resistant sprayer may be used as well. Do not allow to Puddle! Thick or puddle areas may prevent the solvent from evaporating and may be susceptible to moisture intrusion which may cause milky white spots. Applying too thin may cause sealer to prematurely delaminate, flake or wear away. Allow sealer to dry for 24 hours for light traffic and at least 48 hours for heavy traffic. If applying two coats, wait approximately 4 – 6 hours between coats. **FOR PERSONAL PROTECTION USE GLOVES, GOGGLES, AND RESPIRATORS.**

When using as a cure & seal, apply only one coat to meet specifications. Extreme bubbling and/or hazing may occur due to lack of permeability.

**PLEASE NOTE:** It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. When applying, do not exceed 400 sq. ft. per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited. **DO NOT USE ON BRICK.**

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## Precautions and Limitations

- This product will not freeze during storage, however, allow temperature to rise to 50°F prior to application.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- This product performs best when applied as one or two medium-light coats, not one heavy coat.
- Please be aware that this product when cured may be slippery when wet. An anti-slip additive, such as Surf-Grip, can be added to reduce slip hazards.
- This product is not resistant to brake fluid, gasoline, and many similar products.
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- SOLVENT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

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**CLEAN-UP:** Use xylene. Dispose of containers in accordance with local, state and federal regulations.

**PRODUCT REMOVAL:** Dried, cured sealer may be removed with a commercial paint stripper, such as *Nock-Off* or by using a diamond grinding method, sandblasting method or similar mechanical action.

**SHELF LIFE:** Up to one year from manufacture date in its original, unopened container stored at room temperature.

**PACKAGING:** Available in 1 gallon, 5 gallon and 55 gallon containers.

Always read all technical information, label and SDS prior to use. This information can be found online or by calling customer service at the number below.