

## SURPRO 100LV

SP-693 & SP-694

### LOW VOC SOLVENTBORNE TWO COMPONENT URETHANE ACRYLIC SEALER FOR CONCRETE

**DESCRIPTION:** SURPRO 100LV is a low VOC, low viscosity, high gloss coating formulated to preserve and protect above-grade concrete and other cementitious surfaces. SURPRO 100LV's durable, "wet look" finish will inhibit the passage of water or any other liquid, retard efflorescence, and will resist peeling, flaking, blistering or discoloring of properly prepared substrates.

**V.O.C. COMPLIANCE:** When mixed according to directions, SURPRO 100LV conforms to all California air quality management district and OTC regulations, including those in the South Coast Air Quality Management District. VOC content = 99 g/l.

**SURFACE PREPARATION:** Surfaces shall be dry, structurally sound, clean and free of dirt, grime and other foreign substances (efflorescence, oils, silicones, all other waterproofing materials, form release agents, curing and parting compounds, etc.). Concrete floors (e.g. hangars, warehouses, garages, etc.) must be ground, acid-etched or shot blasted to a profile of at least that of 120 grit sandpaper. The concrete may be acid-etched with 1 part SURTEC SUPER ETCH PLUS diluted with 2 to 3 parts water, followed by neutralization with 2 oz. of SURTEC HC-150 per gallon of water. Rinse thoroughly and allow to dry completely before application.

SURPRO 100LV is a solventborne coating, therefore, prior to application over polymer-modified cementitious surfaces confirm the compatibility (i.e., no attack on the substrate) of SURPRO 100LV by testing either in a workshop or onsite mockup.

**MIXING INSTRUCTIONS:** Mixing instructions must be strictly adhered to. Add one part of SURPRO 100LV Part B (Cure) to three parts of SURPRO 100LV Part A (Resin) in an open container. With a mechanical mixer, mix well before using (approximately 5 minutes). DO NOT mix more than can be used in a 90 minute period.

**APPLICATION:** SURPRO 100LV can be applied by lambswool applicator, roller or T-Bar applicator. Material shall not be applied if surface or ambient temperature is below 45° F. or above 90° F or if the temperature is expected to fall below freezing (32° F.) within the 24 hour curing cycle. SURPRO 100LV is a solventborne product, utilizing VOC exempt solvents, so should only be used with adequate ventilation and appropriate personal protective equipment, including organic vapor respirators, especially with interior applications.

Coverage will vary with porosity of substrate but will average 300 to 400 sq. ft. per gallon per coat. Mixed product will thicken over the course of the 90 minute pot life, but will maintain an adequate application viscosity. Cure time per coat will range between 8 to 12 hours. A single coat may be sufficient for a low-build color enhancing application. For higher build with an even high gloss, a second coat is normally required. If a second coat is desired it should be applied within four to eight hours of drying time of the first coat to assure proper adhesion. If applying over existing SURPRO 100LV or if applying a second coat more than 16 hours after the first coat is tack free, sand surface with a 120 grit screen disk, followed by cleaning with SURTEC HC-150 diluted to 2 ounces per gallon of water. Rinse thoroughly and allow to dry before application.


# **SURTEC, Inc.** *Surface Technology*

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## **SURPRO 100LV (continued):**

### **SPECIFICATIONS:**

COLOR: .....	Clear
ODOR: .....	Sweet solvent odor
HMIS RATING .....	Health = 2 Flammability = 2 Physical Hazard = 1
VOC CONTENT .....	99 g/l
SOLIDS: .....	44%
SPECIFIC GRAVITY / DENSITY (when mixed):	1.21 / 10.2
MIX RATIO: .....	3:1 by volume
VISCOSITY (when mixed): .....	25 - 90 cps. (Zahn #2 cup)
POT LIFE: .....	90 minutes
COVERAGE: .....	300 to 400 square feet per gallon
RESISTANCE TO WATER: .....	Excellent
FLASH POINT: .....	109° F. (C.O.C. Method)
DRYING TIME (at 20° C. (68° F.), 50% relative humidity):	
RECOAT: .....	8 to 12 hours
LIGHT TRAFFIC: .....	12 to 24 hours
HEAVY TRAFFIC: .....	2 to 3 days
GLOSS: .....	99 (A.S.T.M. Test D-523, 60°)
SAFETY (under foot): .....	Exceeds slip resistance requirements (ASTM Test D-2047)
PACKAGE SIZES: .....	1 gallon kit (3 quarts SURPRO 100LV Part A, 1 quart SURPRO 100LV Part B) 4 gallon kit (3 gallons SURPRO 100LV Part A, 1 gallon SURPRO 100LV Part B)

 **WARNING:** This product can expose you to chemicals including parachlorobenzotrifluoride and benzene which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

rev. 12/23/20

**SURTEC warrants this product to be of consistent quality. SURTEC'S warranty is limited to the replacement of product proven defective. The user assumes all other risks and liabilities resulting from the use of this product. If you have any questions, please call SURTEC at (209) 820-3700.**

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### CHEMICAL RESISTANCE CHART

Tests conducted under the following conditions:

Temperature: ..... 68° F., 30% RH  
 Dwell time of reagent: ..... 30 minutes under glass  
 Film thickness: ..... approx. 5 mils (2 coats)  
 Coverage: ..... 350 sq. ft. per gallon (1st coat)  
 ..... 400 sq. ft. per gallon (2nd coat)  
 Dry times: ..... 8 hours between coats  
 ..... 3 days dry and cure before chemical tests

<u>REAGENT</u>	<u>RESISTANCE</u>	<u>REAGENT</u>	<u>RESISTANCE</u>
<b><u>Acids (aqueous)</u></b>		<b><u>Oxidizing Agents (aqueous)</u></b>	
10% Acetic	No effect	8% Hydrogen Peroxide	No effect
10% Hydrochloric	No effect	Calcium hypochlorite	No effect
10% Citric	No effect	Sodium hypochlorite	No effect
20% Phosphoric	No effect	<b><u>Inorganic Salts (aqueous solutions)</u></b>	
10% Sulfuric	No effect	Calcium chloride	No effect
10% Lactic	No effect	Sodium acetate	No effect
<b><u>Alkalis (aqueous)</u></b>		Sodium chloride	No effect
Ammonium hydroxide	No effect	Sodium phosphate	No effect
Calcium hydroxide	No effect	<b><u>Solvents</u></b>	
Potassium hydroxide	No effect	Concentrated Alcohols	Minor Attack*
Sodium hydroxide	No effect	Aliphatic hydrocarbons	No effect
Detergents	No effect	Aromatic hydrocarbons	Minor Attack*
<b><u>Foods/Drugs</u></b>		Acetone	Minor Attack*
Water	No effect	Greases	No effect
Mustard	Minor Stain	Gasoline	No effect
Hot Sauce	No effect	Jet fuel	No effect
Orange Juice	No effect	Motor oil	No effect
Lemon Juice	No effect	Brake fluid	Minor Attack*

\*Temporary softening, recovers with no loss of gloss