

CL-631 CV

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LOW VOC CONCRETE AND MASONRY ACRYLIC SEALER

DESCRIPTION:

CL-631 CV is a low-VOC solventborne acrylic sealer designed to permanently seal concrete and masonry surfaces. Application of CL-631 CV provides a non-yellowing high gloss finish which will protect the surface from water, dust, stains, and dirt. CL-631 CV may be used on new and old indoor and outdoor surfaces. CL-631 CV is specially formulated with a proper balance of carrier solvents to create a slower evaporation rate, offering better flow and leveling and more work time and, with its high flash point (82°F), lower flammability than typical low-VOC, acetone containing solventborne acrylic sealers. CL-631 CV provides high gloss color enhancement for stained and integrally colored concrete, polymer-modified cementitious surfaces (e.g. microtoppings) and porous masonry surfaces. On-site mockup tests are highly recommended to confirm that appearance requirements will be met and to determine both appropriate surface preparation and application techniques.

CL-631 CV is not VOC compliant in all areas. Dimethyl carbonate, utilized in CL-631 CV as a carrier solvent, is considered VOC exempt per EPA regulations, but is not considered exempt in all areas of California, e.g. the Bay Area Air Quality Management District and the South Coast Air Quality Management District. Before use, consult state and local regulations to determine if this product complies with VOC regulations in your area. The VOC content is 99 g/l in areas with dimethyl carbonate exemption.

LIMITATIONS:

- This product is for professional use only.
- Do not apply CL-631 CV to dense stone, including bullnose brick, dense slate, glazed tile, glass or metal. Consult SURTEC if in doubt.
- CL-631 CV is not for use in areas under high hydrostatic pressure.
- CL-631 CV is not for use on interior surfaces with a suspected high moisture vapor transmission rate, i.e., greater than 5 pounds per 1000 sq. ft. per 24 hrs. Test if in doubt.
- Apply thin to medium coats. Heavy coats will result in softer cured films, due to slow or incomplete solvent evaporation.
- CL-631 CV is flammable. For interior applications, extinguish any flame or spark sources which could ignite vapors near and in range of the work area. Use adequate ventilation to clear area of vapors.
- For low gloss (satin) finish Surtec AC-696 Flattening Agent may be added, but should not be added to the first coat as the increase in solids will decrease penetration into the substrate and diminish adhesive strength.

SURFACE PREPARATION:

Surfaces shall be clean, dry, structurally sound, and free of dirt, grime, stains and other foreign substances (cement laitance, efflorescence, oils, silicones, all other waterproofing materials, form release agents, curing compounds, etc.). Previously applied sealers, and cure and seals should be removed, unless compatibility with CL-631 CV has been determined with an on-site mockup test. For hard trowelled, dense concrete, grinding or etching of the concrete is required. For etching use SURTEC SUPER ETCH or properly diluted SUPER ETCH PLUS according to directions. The prepared surface should show rapid absorption of water and uniform darkness when wet. Water beading indicates that further preparation is necessary.

APPLICATION:

For both interior and exterior application, the temperature should be between 55° F and 85° F. CL-631 CV should be applied undiluted by heavy nap roller, lambswool applicator or T-Bar applicator. Apply to surface thoroughly

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APPLICATION (continued):

and uniformly without puddles. For best results, apply as "wet" as possible with a minimal amount of rolling or stroking to avoid streaks and "cobwebbing" of drying sealer. Apply at least two coats to ensure complete sealing and to achieve a uniform appearance. For best results, allow 4 hours of cure time for each coat before recoating in order to prevent intercoat attack and possible bubbling from trapped solvent.

For exterior application: The temperature should be at least 5° above dew point. If possible, avoid application in direct sunlight. In Summer/Fall weather, apply in the morning to midday to avoid application to a hot surface. In Winter/Spring weather, plan the application for a 5 day period that allows at least two days of complete dry time for the slab prior to application, and at least two days of cure time for the applied CL-631 CV before it is exposed to rain. Do not apply under windy conditions.

SPECIFICATIONS:

COLOR:	Clear
ODOR:	Sweet, solvent
SPECIFIC GRAVITY / DENSITY:	1.23 / 10.3 pounds per gallon
SOLIDS:	25%
FLASH POINT:	82° F. (C.O.C. Method)
COVERAGE:	
Smooth surfaces, e.g., prepared hard trowelled concrete:	300 to 400 square feet per gallon per coat
Rough surfaces, e.g., broom trowelled concrete or stamped concrete:	200 to 300 square feet per gallon per coat
DRYING TIME (at 68°F., 50% RH):	
Dry to the touch	1/2 - 2 hours
Recoat	4 hours
Open to light traffic	24 hours
Open to heavy traffic	3 - 7 days
LEVELING:	Excellent
VISCOSITY:	52 seconds (Zahn cup # 2), 120 cps.
V.O.C. CONTENT:	99 grams per liter. Complies with all Federal, CA and OTC regulations
SAFETY:	Exceeds slip resistance requirements (ASTM Test D- 2047)
PACKAGE SIZES:	4 x 1 gallon cans per case
.....	5 gallon pails
.....	55 gallon drums

WARNING: This product can expose you to chemicals including parachlorobenzotrifluoride, ethylbenzene and benzene which are known to the State of California to cause cancer, and toluene which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov/product.

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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.