

SEALANTS

CRL 321 ACRYLIC CAULK WITH SILICONE

PRODUCT NAME

CRL 321 Acrylic Caulk with Silicone

PRODUCT DESCRIPTION

CRL 321 is a premium quality, one component acrylic caulk with silicone, featuring outstanding properties including adhesion, weather resistance, low shrinkage, long tooling time and more. The acrylic base offers outstanding adhesion and resistance to oxidation and ultraviolet rays. The siliconized feature improves the adhesion to ceramic and glass substrates. 321 provides a waterproof and weatherproof seal without the use of a primer. It can be painted with latex or oil-based paints.

BASIC USES

321's primerless adhesion characteristics offer excellent adhesion to aluminum, wood, concrete, glass, ceramic tiles, etc. It can be used for interior or exterior applications since it is odor free and offers superior weatherability. 321 can be used in areas with high moisture, such as showers, bathrooms, sinks and kitchens, since it is mildew resistant and waterproof.

Clear 321 goes on white but cures to a clear, inconspicuous seal which allows matching of dissimilar painted surfaces. It is non-staining and non-yellowing. 321 is paintable and easily cleaned up with soap and water.

LIMITATIONS

CRL 321 is not recommended for:

- Applications involving prolonged submersion in water.
- Dynamically moving joints.
- Structural glazing applications.
- Joints which will be subject to high abrasion.
- Applications at temperatures below 40°F (4°C).
- Applications in areas unprotected from freezing until fully cured.
- Do not expose to water or rain for at least 24 to 48 hours.

TECHNICAL DATA

CRL 321 meets or exceeds the requirements of ASTM C-834-00 Standard Specifications for Latex Sealing Compounds, ASTM C-920 and TFS-00230C. VOC Compliant.

TABLE 1 - TYPICAL PROPERTIES

Property	Value
Solids by Weight	.83%
Specific Gravity	1.66
Slump at Room Temperature	Nil
Tack Free Time at 77°, 50% RH	.15 Minutes
Tooling Time	.30 Minutes
Durometer Hardness, Shore A	.65
Elongation	.175%
Joint Movement Capability	+/-10%
Shelf Life	12 Months
Application Temperature	.40°F to 120°F (4°C to 49°C)
Service Temp.	.0°F to 180°F (-17°C to 82°C)

JOINT DESIGN

A thin bead of 321 will accommodate more movement than a thick bead. Joint depths should be no thicker than 1/2" (12.7 mm) and no thinner than 1/8" (3.2 mm). For typical joint designs, the ratio of joint width to sealant depth should be approximately 2:1.

JOINT DIMENSIONS

Polyurethane or polyethylene foam backer rod is recommended for deep joints. Use polyethylene tape on joints too shallow to accommodate foam rod. These materials permit the application of a thin bead and act as bond breakers, which allow the sealant to stretch freely with joint movement.

INSTALLATION

SURFACE PREPARATION

The substrate must be of sound quality and be clean, dry and free of dust, oils or grease. Thoroughly remove all loose particles and old sealant. Clean surfaces with compressed air, sandblast or solvent. No priming is necessary. Dampness but not saturation or standing water in porous substrates can be tolerated.

APPLICATION

Do not apply sealant when the temperature is below 40°F (4°C). CRL 321 can be tooled for approximately 30 minutes after application.

PAINTING

Sealant may be painted two hours after application with quality grade latex or oil based paints.

CLEANING

Soap and water may be used to remove excess sealant from the substrate before cure, and to clean tools. After cure, the sealant must be removed by mechanical means.

PRECAUTION

Read Material Safety Data Sheet before using product for the first time. Uncured sealant may irritate the eyes. Avoid contact with eyes and skin. Contact lens wearers take appropriate precautions.

IN CASE OF CONTACT, FLUSH EYES WITH WATER, CALL A PHYSICIAN. Do not take internally. If swallowed, consult a physician. KEEP OUT OF REACH OF CHILDREN.

COLORS

CRL 321 is available in Clear, White, Bronze, Almond, and Gray. Custom Color are available on request.

STORAGE

Store in a cool place at room temperature. When stored at or below 90°F (32°C) and protected from freezing in the original, unopened containers, CRL 321 has a shelf life of 12 months from the date of manufacture. DO NOT FREEZE.

PACKAGING

CRL 321 is available in 10.3 fluid ounce (305 ml) plastic cartridges.

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321 Acrylic Caulk



PROFESSIONAL QUALITY
CRL
April 2010
(Supersedes April 2003)

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TECHNICAL SERVICE

Complete technical information and literature is available from C.R. Laurence Co., Inc. Any technical advice furnished by the company or any representative of the company concerning any use or application of any sealant is believed to be reliable, but the company makes no warranty, expressed or implied, for any use or application for which such advice is furnished.

LIMITED WARRANTY NOTICE

CRL and its manufacturer warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control in the application process. Therefore, except for such replacement or refund, CRL and its manufacturers make no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability

respecting its products. CRL and its manufacturers shall have no other liability with respect thereto. User shall determine the suitability of the product for his intended use and assume all risks and liability in connection there with. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the CRL Product Manager.

The warranty specifically excludes sealant failure due to:

1. Appearance changes due to deposits of dirt and other materials.
2. Decomposition of the underlying substrates.
3. Excess movement of the structure which exceeds published specification for movement caused by building settlement, design error, or construction error.
4. Mechanical damage caused by external sources.
5. Natural disasters such as fires, lightning, earthquakes, tornadoes, or hurricanes.

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