

INNERBOND C-900 WINDOW, VINYL AND DOOR SEALANT

Innerbond C-900 Window, Vinyl and Door Sealant is a high performance, neutral cure silicone that provides impressive adhesion with a wide range of substrates and materials. It is particularly suited for vertical and overhead applications due to its medium gun-grade viscosity and rapid cure time. Non-acetic and non-corrosive, it is compatible with a wide range of building materials and releases almost no odor while curing. It is also formulated to handle joint movements of $\pm 50\%$ without affecting the sealing or adhesion properties. It is mildew resistant making it an excellent choice for bath and kitchen appliances. Outstanding features of Innerbond C-900 Vinyl, Window and Door Sealant include:

- Ready-to use as supplied
- Impressive adhesion to a wide range of substrates (especially glass to vinyl or metal, vinyl or metal to masonry, and metal to metal)
- Non-corrosive, neutral cure system; compatible with most building materials
- No offensive acetic acid odor while curing
- Handles joint movements of $\pm 50\%$
- Excellent weatherability and durability; unaffected by sunlight, rain, snow, temperature extremes, U.V. radiation and ozone
- Remains serviceable from $+212^{\circ}\text{F}$ ($+100^{\circ}\text{C}$) to -40°F (-40°C)
- Non-staining on concrete
- Thickened, paste-like uncured consistency and rapid cure make it ideally suited for vertical and overhead applications
- Meets or exceeds the requirements of TT-S-001543A, TT-S-00230C, ASTM C-920-79
- Mildew resistant

USES

Innerbond C-900 Vinyl, Window and Door Sealant is a highly versatile RTV silicone that may be used in innumerable applications to include:

- Back bedding vinyl, metal and wood windows, as well as cap, toe, and heel bead applications.
- Perimeter sealing of windows, skylights and doors.
- Sealing marine cabins, ports, hatches and deck fittings.
- Sealing cracks in concrete or masonry.
- Sealing and weatherproofing flashing, siding, gutter/drain systems, and perimeter joints.
- Sealing baths, showers and sinks.
- Electrical insulation sealing and anchoring electrical lead wires.
- Bonding gaskets in heating and refrigeration units.
- Bonding and sealing appliance parts, sign letters, nameplates/signs and screwless brackets.
- Formed-in-place gaskets for pumps, compressors and gear boxes.
- Adhering auto and appliance trim, including metal, fabric and fabric-backed plastics.
- Sealing windows in oven doors and flues on gas appliances, flanged pipe joints and access doors.
- Sealing trailers and truck cabs.
- Creating antiabrasion coatings.
- Sealing conduits and pipes through brick and masonry.
- Filletting and sealing joints in sheet metal stacks, duct work, and equipment housing.

TYPICAL PROPERTIES

Tooling Time, minutes	2-3
Tack-free Time, minutes	15
Cure Time, hours (1/2" or 3 mm thickness; 75°F at 50% RH)	24
Durometer Hardness, Shore A, points	18
Tensile Strength, psi	185
Dynamic Movement Capability, percent	±50

LIMITATIONS

Innerbond C-900 Vinyl, Window and Door Sealant should not be used:

- For structural glazing applications
- For below grade and continuous water immersion applications, to include aquariums
- In totally confined spaces where the sealant cannot cure due to a lack of atmospheric moisture
- In glass-to-glass butt joints or other glazing applications where small bubbles which may develop during cure may be objectionable in appearance

HOW TO USE

To prepare surfaces for maximum adhesion, first clean with suitable solvents such as MEK (methyl ethyl ketone), naphtha, or 1,1,1-trichloroethane to remove all grease, dirt and oil. All solvents must be wiped from surfaces before the sealant is applied. Do not use alcohols, detergent or soap and water.

CAUTION: When using flammable solvents, keep away from heat, sparks, and open flames. Use only with adequate ventilation. Avoid prolonged breathing of vapor and prolonged or repeated skin contact. Always follow solvent container label instructions.

Clean all concrete, masonry and stone joints of all contaminants and impurities. Examples of material which must be removed from the joint surfaces to obtain proper sealant adhesion include surface dirt, rust, all old sealants, concrete form release agents, water repellents, fine particles, other surface treatments and protective coatings. Porous substrates should be cleaned where necessary by grinding, saw cutting, blast cleaning (sand or water), mechanical abrading or a combination of these methods as required to provide a sound, clean, dry surface for sealant application. Dust, loose particles, etc. should be blown out of joints with oil-free compressed air or vacuum cleaned.

Install back-up material or joint filler, setting blocks, spacer shims and tapes as specified. Apply Innerbond C-900 in a continuous operation using a positive pressure adequate to properly fill and seal the joint. Do not exceed 45 psi when using air-powered caulking guns. Tool or strike the sealant with light pressure to spread the material against the back-up material and the joint surfaces. A tool with concave profile is recommended to keep the sealant with the joint.

When glazing, tool the sealant applied at the sill so that precipitation and cleaning solutions will not pool.

Innerbond C-900 Window, Vinyl and Door Sealant can be applied at outdoor temperatures as low as -35°F (-37°C) provided that the surfaces are clean, dry and frost-free.

Excess sealant should be cleaned from glass, metal and plastic surfaces while still uncured using a commercial solvent such as xylene, toluene or methyl ethyl ketone. Should excess sealant accidentally contact adjacent porous surfaces, allow sealant to progress through the initial cure or set-up. It should then be removed by abrasion or other mechanical means.

CAUTION

On direct contact, uncured Innerbond C-900 Window, Vinyl and Door Sealant may cause skin irritation. Avoid prolonged or repeated skin contact. Should contact with skin occur, wash with soap and water. Should contact with eyes occur, flush immediately with water and consult a physician. Material Safety Data Sheets are available upon request.

STORAGE AND SHELF LIFE

When stored below 90°F (32°C) in its original, unopened container, Innerbond C-900 Window, Vinyl and Door Sealant has a shelf life of 12 months. Keep unused portions tightly covered to avoid contact with moisture.

PACKAGING

Innerbond C-900 Window, Vinyl and Door Sealant is provided in a 10.1 oz cartridge with a versatile, 4 inch long removable nozzle, and is packed 12/case. For use with bulk extrusion systems, Innerbond C-900 is also available in 5 gallon pails and 55 gallon drums.

NOTE

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since Inland, Inc. cannot know all of the uses to which its products may be put or the conditions of use, it makes no warranties concerning the fitness or suitability of its products for a particular use or purpose.

Thorough testing of our product on any proposed use should be conducted prior to each application. It is the responsibility of the consumer to evaluate the performance of our product in each given application. Likewise, if the manner in which our products are used requires governmental approval or clearance, it is the user's responsibility to obtain it.

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