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## INNERBOND 1430 HIGH TEMPERATURE ADHESIVE SEALANT

A premium grade, high temperature resistant, 100% RTV silicone that uses the acetic cure system. A paste-like formulation that is similar to 1410, but will perform without degradation at continuous temperatures up to +500°F (+262°C) and at intermittent temperatures up to +600°F (+315°C). Exceptionally well suited for technical, scientific, automotive, food service, HVAC and military applications. Bonds well to clean metals, glass, most non-oily woods, silicone resin, vulcanized silicone rubber, ceramics, natural and synthetic fibers, and many painted and plastic surfaces. Exhibits excellent resistance to weathering, vibration, moisture, ozone, ultraviolet radiation and extreme temperatures. May be applied in sub-zero weather without loss of extrusion or physical property characteristics.

Innerbond 1430 RTV is listed with or conforms to:

- MIL-A-46106, Type I
- USDA
- FDA 21 CFR177.2600
- TT-S-001543A
- TT-S-00230C
- ASTM C-920-79
- NSF Standard 51
- UL

### USES

Typical applications for Innerbond 1430 RTV include:

- Sealing fired heaters, flanged pipe joints and access doors.
- Sealing moving oven belts, industrial ovens and boilers, and plywood drying ovens.
- Sealing bag filters on smoke stacks and flues on gas appliances.
- Bonding appliance parts.
- Coating and sealing electrical / electronic equipment.
- Caulking joints in sheet metal stacks and ductwork.
- Formed-in-place gasketing for valve and differential drive covers.

### TYPICAL PROPERTIES

<b>CONSISTENCY</b>	Spreadable Paste	<b>SPECIFIC GRAVITY (AT 77°F)</b>	1.03
<b>TOOLING TIME (77°F, 50% RH)</b>	5-10 minutes	<b>TACK FREE TIME (77°F, 50% RH)</b>	10-20 minutes
<b>HARDNESS, SHORE A, POINTS</b>	27	<b>TENSILE STRENGTH, PSI</b>	350
<b>ELONGATION, %</b>	600		
<b>CURE TIME, HOURS (1/8" thickness, 77°F, at 50% RH)</b>		24	
<b>OPERATING TEMPERATURE RANGE</b>		-80°F to +500°F (to +600°F for intermittent exposure)	

### LIMITATIONS

Innerbond 1430 RTV High Temperature Adhesive Sealant will corrode or not adhere to copper, brass (and other copper-containing alloys), magnesium, zinc and galvanized metals (and other zinc-containing alloys). This sealant is not recommended for use on brick masonry and cementitious substrates. Best adhesion and compatibility are not achieved with substrates made of methylmethacrylate (PLEXIGLAS®), polycarbonate, polypropylene, polyethylene and polytetrafluoroethylene (TEFLON®). This sealant is not recommended for below-grade applications or for joints with extreme movement, and is further not intended for structural glazing. Do not use in areas where abrasion and physical abuse are encountered.

## **HOW TO USE**

Innerbond 1430 RTV High Temperature Adhesive Sealant adheres to many clean surfaces without the use of primers. These surfaces include glass, ceramic, many metals, some rigid plastics and silicone rubber. Innerbond 1430 will also produce a fair bond to organic rubber and to some flexible plastics which do not contain plasticizers or migrate to another surface. For any of the applications above, an evaluation should be made to determine bond strength.

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. For best results apply at a temperature no lower than 50°F. The sealant should be tooled immediately after application and before a skin forms, using light pressure to spread it against the substrate. Uncured sealant may be cleaned from non-porous surfaces and tools using a solvent such as xylene. On porous surfaces, allow the sealant to cure and remove by abrasion.

## **CAUTION**

Uncured Innerbond 1430 RTV will irritate the eyes. In case of contact with eyes, flush with water for 15 minutes and consult a physician. The uncured sealant may also irritate the skin. Prompt removal by wiping with a dry cloth or paper towel, followed by washing the skin with soap and water is recommended.

Innerbond 1430 RTV releases acetic acid vapors during the curing period. Effective ventilation must be maintained during application and curing to limit the concentration of acetic acid vapor (which is irritating to the eyes and breathing passages). Wearing of contact lenses during use should be avoided because vapor may be trapped behind the lenses. OSHA regulations have established a Threshold Limit Value (TLV) for acetic acid at 10 ppm. Use only in well-ventilated work areas.

## **STORAGE AND SHELF LIFE**

When stored in the original, unopened container at temperatures less than 90°F, Innerbond 1430 RTV High Temperature Adhesive Sealant offers a shelf life of 1 year. After the container has been opened, a plug of cured material may form in the nozzle or tube tip during storage. This is easily removed and does not affect the remaining contents.

## **PACKAGING**

Innerbond 1430 RTV is available in a 10.1 ounce cartridge, 2.8 ounce squeeze tubes, and 1 or 5 gallon pails. Innerbond 1430 is available only in red.

## **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.

Inland, Inc. warrants only that each product will meet its specifications. There is no warranty of merchantability or fitness for use, nor any other expressed or implied warranties. The user's exclusive remedy and Inland, Inc.'s sole liability is limited to replacement of any product shown to be otherwise than as warranted. Inland, Inc. will not be liable for incidental or consequential damages of any kind.

Suggestions of uses should not be taken as inducements to infringe any patents.