

# DEACON

## Deacon 329-RED

### TYPICAL PROPERTIES

#### Uncured

Specific Gravity:	1.04
Color:	Red
Slump:	NIL
Tack Free Time (77°F & 50% RH), min	20

#### Cured – (7 days at 77°F + 3°F and 50% and + 5% TH)

Elongation: (ASTM D412)	550
Durometer, Shore A2: (ASTM 2240)	25
Tensile Strength, Mpa (ASTM D412)	4 (350)
Peel strength: ppi	21.6
Temperature Range:	
Continuous operating temp, max	600 F (232 C)
Continuous operating temp, max	650 F (343 C)

\* Information on this data sheet is subject to change without notice and should not be used for spec. writing. For additional information on specific applications, contact the factory.

### DESCRIPTION

Deacon 329-Red is a one part acetoxo cure adhesive that is suitable for general industrial sealing and adhesive applications. This product will adhere to clean metal, glass, many types of wood, silicone resins, vulcanized silicone rubber, ceramics and plastic surfaces.

Deacon 329-Red has good resistance to weathering, vibration, moisture, ozone, and extreme temperatures. It may be applied in subzero weather without loss of extrusion or physical property characteristics. Fully cured Deacon 329-Red can be used for extended periods at temperatures up to 600°F (315°C), and for shorter periods, as high as 650°F (340°C).

### USES

- Seal heating, ventilating, or air conditioning duct work.
- Seal cracks or gaps around windows, vents, ducts, fixtures, lights.
- Seal leaks in gutters, downspouts, ducts, piping.
- Seal cracks in interior walls and ceilings, door joints, fixtures.
- Seal out water from compartments in machinery, appliances.
- Seal around freezer doors and windows to prevent frost and condensation from forming.
- Seal electrical connections and boxes to waterproof.
- Seal joints and cracks in the roofs and sides of truck trailers.
- Seal stainless steel food service equipment.
- Seal electrical controls, instruments, motors, fans, and machinery to keep out dust, dirt, and moisture.
- Make quick sheet metal patches.
- Seal wall-floor and wall-ceiling seams.
- Sealing windows in oven doors and flues on gas appliances, flanged pipe joints, access doors.
- Adhering auto and appliance trim, including metal, fabric, and fabric-backed plastics.
- Sealing trailers, truck caps.
- Filletting and caulking joints in sheet-metal stacks, ductwork, and equipment housings.
- Bonding gaskets in heating and refrigeration units.
- Sealing of marine cabins and windows.
- Anti-abrasion coating.
- Bonding signs and sign letters.
- Attaching screwless brackets or nameplates, and tacking plastic materials to metal.
- Formed-in-place gasket for gear boxes, compressors, pumps.

### HOW TO USE

#### Applying the Material: Tack-Free Time

Deacon 329-Red is supplied ready-to-use. Under pressure, it flows readily from its container. The paste-like consistency makes it easy to work; a spatula or wooden paddle can be used for tooling the surface.

The cure progresses inward from the surface. At conditions of at least 75°F (24°C) and 50 percent relative humidity, the sealant forms a tack-free skin within 20 minutes. Tooling is not practical after this skin begins forming, and should be completed within 5 to 10 minutes of application, even though this may require alternate periods of applying and tooling. Likewise, if masking tape has been used to mark off the area, it should be removed before the tack-free skin forms.

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CONSULT MSDS & TECH SHEETS FOR ALL SAFETY, TECHNICAL, & WARRANTY INFORMATION BEFORE USE

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### **Curing**

Cure time is affected by relative humidity, degree of confinement, and cross-sectional thickness of the sealant. Sections up to 1/8 inch thick become rubbery solids in about 24 hours at room temperatures of 20 percent relative humidity. Less moisture content reduces it slightly.

In applications where Deacon 329-Red may be partly or totally confined during cure, the time required for proper cure is generally lengthened by the degree of confinement. Metal-to-metal bonds should not overlap more than one inch. Every application involving confinement during cure should be thoroughly tested before commercialization.

The odor given off during cure is due to the liberation of acetic acid. This odor disappears as the cure progresses, and is not detectable after the cure is complete.

### **Bonding**

Thoroughly clean and degrease metal and plastic surfaces, then rinse all surfaces, except plastic, with acetone. Rubber surfaces should be roughened with sandpaper, then wiped with acetone.

### **Sealing**

Using Deacon 329-Red in sealing applications follows approximately the same step-by-step procedures as outlined for bonding applications. After preparing the surface, the sealant is applied by forcing it in the joint or seam to obtain full contact between sealant and surfaces.

### **SPECIFICATIONS**

Meets or exceeds the following specifications : USDA for use in federally inspected Meat and poultry plants. FDA Regulation No.21 CFR 177.2600, TT-S-00230C (COM-NBS) Class A, and TT-S-001543A (COM-NBS) Class A, Canadian 19-GP-9MA Type 1 and MIL-A-46106B Amend. 3, Type 1.

### **WARNING**

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOR MAY IRRITATE EYES, NOSE AND THROAT. Avoid eye and skin contact. Use adequate ventilation. Do not handle contact lenses with sealant on hands. IN CASE OF EYE CONTACT, flush eyes with water for 15 min. Obtain medical attention. IN CASE OF SKIN CONTACT, remove from skin and flush with water. Sealant releases acetic acid (vinegar-like odor) during cure.

**KEEP OUT OF REACH OF CHILDREN**

### **SHIPPING LIMITATIONS**

None.

### **STORAGE AND SHELF LIFE**

When stored in original unopened container at or below 90°F (32°C), Deacon-Red has a shelf life of 2 years from the date of shipment. Containers should always be kept sealed when not in use.

### **PACKAGING**

Deacon 329-Red is available in 4.5 gallon pails, 1 gallon pails, and 10.3 fl. Oz. cartridges.

### **USER'S PLEASE READ**

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

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