

## Industrial Professional Grade

### TYPICAL PROPERTIES

#### UNCURED

|   |                |
|---|----------------|
| Slump   | NIL            |
| Tack-Free Time at 77°F (25°C) and 50% RH                                    | 10-20 min.     |
| <b>CURED - Physical</b>   7 Days at 77°F (25°C) and 50% RH (1/8" thickness) |                |
| Elongation  | 425%           |
| Durometer, Shore A  | 20             |
| Tensile Strength  | 330 psi        |
| Extrusion Rate  | 425 g/min.     |
| Movement Capacity   | ±25%           |
| In-House Testing - Service Temperature                                      | -40°F to 400°F |
| In-House Testing - Application Temperature                                  | -35°F to 140°F |

\* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

### DESCRIPTION

**BOSS® 310 RTV Industrial Silicone Sealant** is a one-part acetoxy cure adhesive sealant 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. A primer may be required for optimum adhesion to some surfaces.

**BOSS® 310 RTV Industrial Silicone Sealant** has good resistance to weathering, vibration, moisture, ozone and extreme temperatures. It may be applied in sub-zero weather without loss of extrusion or physical property characteristics. Fully cured **BOSS® 310** can be used for extended periods at temperatures up to 400°F (204°C).

### HOW TO USE

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

**BOSS® 310 RTV Industrial Silicone Sealant** 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 77°F (25°C) and 50% 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.

**Cure Time:** Cure time is affected by relative humidity, degree of confinement and cross-sectional thickness of the sealant. Sections up to 1/8" thick become rubbery solids in about 24 hours at room temperature and 20 percent relative humidity. Less moisture content reduces it slightly. In applications where **BOSS® 310** 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. Follow the precautions given on solvent container label.

**Sealing:** Using **BOSS® 310 RTV Industrial Silicone Sealant** in sealing applications follows approximately the same step-by-step procedures as outlined for bonding applications. After preparing the surface and priming where required, the sealant is applied by forcing it in the joint or seam to obtain full contact between sealant and surfaces.

Continued...



### APPLICATIONS

- Seal heating, ventilating or air conditioning duct work
- Sealing cracks or gaps around windows, vents, ducts, fixtures and lights
- Seal leaks in gutters, downspouts, ducts and piping
- Seal cracks in interior walls, ceilings, door joints and fixtures
- Seal out water from compartments in machinery or appliances

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# BOSS® 310 Silicone Sealant



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## SPECIFICATIONS

- TT-S-001543A
- TT-S-00230C
- ASTM C920 Type S Grade NS, Class 25, Use G,A,M, and O

Cured sealant stays rubbery from -60°F to 400°F.

## CLEAN UP

Uncured sealant can be easily removed using a solvent such as alcohol or acetone. For an environmental and health friendlier choice use BOSS® 893 Biggie Wipes. If the sealant is cured it must be removed mechanically by cutting and scraping.

## SHIPPING LIMITATIONS

None.

Reactive VOC 24 g/l (<3% wt.)

## CAUTION

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 only outdoors or in a well ventilated area. Do not handle contact lenses with sealant on hands. IN CASE OF EYE CONTACT, flush eyes with water for 15 minutes. 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 THE REACH OF CHILDREN. For safe handling information on this product, consult the Safety Data Sheet (SDS).

## STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 310** RTV Industrial Silicone has a shelf life of 12 months from date of shipment. In countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright with the nozzle tip pointed upwards. DO NOT stack cartons on their side. **NEVER** stack cartons more than 8 high. DO NOT store within 1 meter (4 feet) of roofline of the warehouse or storage building.

## USERS PLEASE READ

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

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

## TECHNICAL DATA SHEET

### COLORS

- Clear
- White
- Black
- Aluminum
- Almond

### PACKAGING

- 10.1 oz. Cartridge
- 4.5 Gallon Pail
- Other sizes available upon request.

**Limited Warranty:** Buyer assumes all risks of use, handling and storage of product not in strict accordance with label directions. Liability for any incidental or consequential damage or loss is specifically excluded at all times. Any implied warranty of merchantability or fitness for particular use is excluded. Seller will not accept liability for more than product replacement.

**SODAL**

**Soudal Accumetric**

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