

# BOSS®

## PRODUCT INFORMATION

### BOSS® 325 RTV Neutral Self-Leveling Silicone



**BOSS®**  
made to  
work

**SILICONE**

RTV NEUTRAL CURE  
SELF-LEVELING

**325**

- 100% Silicone Rubber
- Pourable Consistency
- Remains Permanently Flexible
- -85°F to 450°F

MADE IN U.S.A.

#### TYPICAL PROPERTIES

##### Uncured

Color .....	Clear
Consistency .....	Flowable Liquid
Viscosity, poises .....	155
Specific Gravity .....	1.01
Tack-Free Time, minutes .....	22

##### Cured-Mechanical

Hardness, Shore A .....	30
Tensile Strength, kg/cm <sup>2</sup> (lb/in <sup>2</sup> ) .....	215
Elongation, % .....	195

Information on this data sheet is subject to change without notice and should not be used for writing specifications. For additional information on specific applications, contact Accumatic Inc.

#### DESCRIPTION

BOSS® 325 RTV Neutral Cure Self-Leveling Silicone Sealant is a free-flowing, self-leveling, one-component material. Its low viscosity allows it to fill minute crevices and voids in potting and sealing applications. Supplied ready-to-use, this material cures at room temperature to a tough, rubbery solid. It adheres well to most common substrates including many metals, glass, most woods, ceramics and various plastics.

BOSS® 325 RTV Neutral Cure Self-Leveling Silicone Sealant resists weathering, moisture, vibration, ozone and temperature extremes. In addition, it stays flexible from -85°F to 450°F (-65°C to 232°C).

#### USES

BOSS® 325 RTV Neutral Cure Self-Leveling Silicone Sealant is primarily used in applications where a free-flowing, one-part sealant is needed. Applications include potting electrical terminals, coating mechanical devices, sealing electronic components and making formed-in-place gaskets.

#### HOW TO USE

BOSS® 325 RTV Neutral Cure Self-Leveling Silicone Sealant is easy to use. It pours readily from its container for dip, brush or spray application and cures upon contact with the moisture in the air to form a tough, flexible silicone rubber.

### **Cure Time**

**BOSS® 325 RTV Neutral Cure Self-Leveling Silicone Sealant** begins to cure upon exposure to moisture in the air. The cure progresses inward from the surface. At 75°F (24°C) and 50 percent relative humidity, sealant forms a tack-free skin within 20-30 minutes.

Material beneath the tack-free skin continues to cure, and in about 24 hours at room temperature, sections 1/8-inch thick or less cure to a rubber with a Shore A durometer hardness of about 30.

Curing time is extended as the thickness of the rubber increases. A 1/2-inch cross section, for example, may require 3 or 4 days for complete cure. However, the outer 1/8-inch will cure in about 24 hours.

In applications where **BOSS® 325 RTV Neutral Cure Self-Leveling Silicone Sealant** may be partly or totally confined during cure, the time required for proper cure is lengthened by the degree of confinement. It is possible, with absolute confinement, that cure will not be completed. Metal-to-metal bonds should not overlap more than one inch. Every application involving confined cure should be thoroughly tested before commercialization.

### **Bonding**

**BOSS® 325 RTV Neutral Cure Self-Leveling Silicone Sealant** bonds to most materials but will NOT adhere to polyethylene and certain plastics and organic rubbers which exude fluids such as plasticizers. Bond strength varies accordingly to the substrate.

### **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 with adequate ventilation. 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. **KEEP OUT OF REACH OF CHILDREN.**

### **STORAGE AND SHELF LIFE**

When stored in original unopened containers at or below 90°F (32°C), **BOSS® 325** has a shelf life of 12 months from date of shipment.

Refrigeration is unnecessary. Containers should always be kept sealed when not in use. After a container has been opened and entire contents have not been used, extrude 3/8" of material past nozzle opening. When ready to use pull out cured plug. Sealant is ready to use.

### **USERS 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 of use. Since the supplier cannot know all the uses or the conditions of use to which this product may be put, no warranties concerning fitness or suitability for a particular use or purpose are made.

You should thoroughly test any proposed use of our products and independently conclude satisfactory performance in your application.

Likewise, if the manner in which our products are used requires governmental approval or clearance, it is the sole responsibility of the user to obtain such authorization.

The supplier warrants only that its products will meet its specifications. There is not a warranty of merchantability or fitness for use, nor any other express or implied warranty. The user's exclusive remedy and the supplier's sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than warranted. The supplier 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.

MADE IN U.S.A.

**BOSS® PRODUCTS**

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