

BOSS[®] 325 RTV Neutral Self-Leveling Silicone

TYPICAL PROPERTIES

Uncured

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

Cured – 7 days at 77°F (25°C) and 50% RH (1/8" thickness)

Durometer, shore A.....	30 points
Tensile strength	215 psi
Elongation	195%
Unprimed adhesion (most substrates*)	good
Service Temperature.....	-40°F to 325°F
Application Temperature	-35°F to 140°F

*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 Accumetric, LLC



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. Applications include potting electrical terminals, coating mechanical devices, sealing electronic components and making formed-in-place gaskets.

FEATURES

- Adheres well to most common substrates
- Excellent resistance to weathering, moisture, vibration, ozone and temperature extremes
- Non corrosive
- Low viscosity

SPECIFICATIONS

BOSS® 325 RTV Neutral Cure Self-Leveling Silicone Sealant meets performance requirements of ASTM C920.

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.

Applying the Material: Tack-Free Time

BOSS® 325 RTV Neutral Cure Self-Leveling Silicone Sealant is supplied ready-to-use. The cure progresses inward from the surface. At 75°F (24°C) and 50% relative humidity, the 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 or less cure to a rubber with a Shore A durometer hardness of about 30.

Cure Time

Cure 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 out 1/8 inch will cure in about 24 hours. In applications where **BOSS® 325** may be partly or totally confined during cure, the time required for proper cure is generally 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 confinement during 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.

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®** Biggie Wipes. If the sealant is cured it must be removed mechanically by cutting and scraping.

PACKAGING

BOSS® 325 RTV Neutral Cure Self-Leveling Silicone Sealant is available in standard caulking cartridges. Other sizes available upon request.

SHIPPING LIMITATIONS

None.
Reactive VOC 39 g/l (<3% wt)

LIMITATIONS

Not recommended for adhering polyethylene and certain plastics and organic rubbers which exude fluids such as plasticizers.

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 325** RTV Neutral Cure Self-Leveling Silicone Sealant 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.

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 THE REACH OF CHILDREN. For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

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.

Non-warranty: Because the storage, handling and application of the material is beyond Accumetric's control, we can accept no liability for the results obtained. Accumetric's sole limited warranty is the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. Accumetric will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted. Suggestions of uses should not be taken as inducements to infringe any patents.

MADE IN U.S.A.

BOSS® PRODUCTS

Accumetric, LLC®
350 Ring Road
Elizabethtown,
Kentucky 42701 USA
800-928-BOSS(2677)
TEL (270)769-3385
FAX (270)765-2412
Outside U.S.
TEL +1(270)769-3385
FAX +1(270)765-2412

Accumetric Asia Pacific, LTD
18 Kitpanit Bldg. 5th Floor
#502 Patpong Road
Suriyawong, Bangrak
Bangkok, 10500 Thailand
TEL (662)634-3060
FAX (662)634-3066

www.bossproducts.com