



BOSS® 322 100% RTV SILICONE SEALANT

TECHNICAL DATA	
Uncured	
Density**	1.02 ± 0.02(g/ml)
Colors	Clear, White, Black
Flow, Sag or Slump	NIL
Skin Formation Time* (22°C / 50% R.H)	8-15min.
Curing Rate* (22°C / 50% R.H)	3mm / 24 hours
Cured-Physical	
Elongation	>600%
Durometer Hardness, Shore A, points	20-25
Tensile Strength, N/mm ²	1.8-2.4
Maximum Allowed Distortion	25%
Service Temperature	-50°C to +232°C

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

** This information relates to fully cured product.

Description

BOSS® 322 100% RTV Silicone Sealant is a paste-like, one component material which cures to a tough, rubbery solid when exposed to moisture in the air. Since it will not flow of its own weight, this sealant can be applied overhead or on sidewall joints and surfaces without sagging, slumping or running off. It will adhere to clean metal, glass, most types of wood, silicone resin, vulcanized silicone rubber, ceramic, natural and synthetic fiber, as well as painted and many plastic surfaces.

BOSS® 322 100% RTV 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® 322 can be used for extended periods at temperatures up to 450°F (232°C), and for shorter periods as high as 500°F (260°C). Tests have shown that even after two months at 450°F (232°C), or up to one week at 500°F (260°C), the sealant remains rubbery. BOSS® 322 is available in a variety of colors including clear, white, black, aluminum, bronze and almond.

Storage and shelf life

When stored in original unopened container at or below 77°F (25°C), BOSS® 322 100% RTV Silicone Sealant has a shelf life of 15 months from date of manufacturing. Containers should always be kept sealed when not in use.

Packaging

BOSS® 322 100% RTV Silicone Sealant is available in 300 gm standard caulking cartridges. Other sizes available upon request.

Application

- Glazing sealant
- Construction sealant
- Windshield and backlite replacement
- One-part sealant capable of ±25% joint movement
- Sealing trailers, truck cabs
- Filletting and caulking joints in sheetmetal stacks, ductwork and equipment housings

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- Adhering auto and appliance trim, including metal, fabric and fabric-backed plastics
- Sealing of marine cabins and windows
- Bonding signs and sign letters
- Bonding gaskets in heating and refrigeration units
- Formed-in-place gasket for gear boxes, compressors, pumps

Limitations

- Not to be used in aquariums
- Do not use for structural glazing
- Not recommended for use in below ground joints or where abrasion & physical abuse are encountered
- Do not apply to surfaces that require painting or to masonry substrates such as concrete, marble, limestone and brick

Shipping limitations

None.

How to use

Applying the Material: Tack-Free Time BOSS® 322 100% RTV 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 72°F (22°C) and 50% relative humidity, the sealant forms a tack-free skin within 30 minutes. Tooling is not practical after this skin-forming begins 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.

Specifications

BOSS® 322 meets performance requirements for the following: FDA/USDA requirements for use in establishments operating under Federal Meat and Poultry Inspection Program. When cured and washed, ingredients remaining or which could migrate to food are listed on FDA Regulation No. 21 CFR 177.2600. Meets Federal Specifications TT-S-001543A, TT-S- 00230C, ASTM C920-86 and MIL-A-46106A, Amend. 2, type 1.

Caution

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOUR 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, wash eyes with water for 15 minutes. Obtain medical attention. IN CASE OF SKIN CONTACT, remove from skin and wash with water. Sealant releases acetic acid (vinegar-like odour) during cure. KEEP OUT OF THE REACH OF CHILDREN.

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. The supplier warrants only that its products will meet its specifications.



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Accumetric Silicones Pvt Ltd

No. 16/1, Corporation Road, Seevaram, Perungudi,
Chennai - 600 096, Tamil Nadu, India.
Customer Support: +91 44 4026 0345 - 60
indiasales@bossproducts.com
www.bossproducts.in