



BOSS[®] 322 100% RTV SILICONE SEALANT

TECHNICAL DATA

Basis	Polysiloxane
Consistency	Stable Paste
Curing System	Moisture Curing
Density	1.0±0.02 g/ml
Skin Formation Time* (23°C 50 % R.H.)	5-10 min
Curing Rate* (23°C 50 % R.H.)	3 mm 24 Hours
Flow, Sag, or Slump	Nil
Hardness, Shore A points** (ISO 868)	25 ± 5
Tensile Strength** (ISO 37)	1.5 ± 0.5 N/mm ²
Elongation** (ISO 37)	>500 %
Temperature Resistance**	-40°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 products.

Description

BOSS[®] 322 100% RTV industrial grade Silicone Sealant is a paste-like, one-component material that cures to a tough, rubbery solid upon exposure to atmospheric moisture. Its non-slump formulation ensures it does not flow under its own weight, making it ideal for overhead and vertical applications (on sidewall joints) without sagging, slumping, or running.

Properties

- Excellent adhesion and flexibility
- High UV and weather resistant
- No crack, shrink or peel
- Easy application and tooling
- Interior and exterior use
- Long-term reliability the cured sealant remains rubbery from -40°C to 232°C without tearing, cracking, drying out, or becoming brittle.

Applications

- Sealing trailers, truck cabs
- Filleting and caulking joints in sheet-metal stacks, ductwork and equipment housing

- 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
- Aquarium sealant

Packaging

Packaging: 300 gm standard caulking cartridges.
Colours: Clear, white, black.

Storage & Shelf life

When stored in original unopened container at or below 77°F (25°C) in dry warehouse conditions, BOSS 322 100% RTV Silicone sealant has a shelf life of 15 months from manufacturing date. Containers should always be kept sealed when not in use. Application temperature is 5 to 40 °C

Substrates

All usual building substrates, no pvc, not suitable for concrete. Nature: rigid, clean, dry, free of dust and grease. Surface preparation: Porous surfaces should be primed with Primer. No primer needed for non-porous substrates. There is no adhesion on PE, PP, PTFE (Teflon[®]) and bituminous substrates. We recommend a preliminary adhesion test on any substrate.



BOSS[®] 322 100% RTV SILICONE SEALANT

Joint dimensions

Min. width for joints : 5 mm
Max. width for joints : 30 mm
Min. depth for joints : 5 mm

Application method

Joint Design : Ensure correct joint design to minimize stress on the sealant and achieve optimal performance

Surface Preparation

- Clean all joint surfaces thoroughly for both new and existing applications.
- Surfaces must be clean, dry, and free from dust, dirt, grease, and other contaminants.
- Remove any protective films from new Substrate & Clean surfaces using a suitable solvent.

Masking

- Apply masking tape where precise and neat bead lines are required.
- Remove the masking tape immediately after application, before skin formation begins.

Application

- Apply the sealant to clean and dry surfaces only.
- Use a pneumatic or manual cartridge gun.
- Do not open the cartridge until just before use.

Finishing & Cleaning

- Ensure proper tooling of the sealant immediately after application. Remove excess or uncured sealant from tools using a suitable commercial solvent.

Remarks

- Do not use for structural glazing applications.
- Not paintable.
- Not recommended for use in underground joints or in areas subject to abrasion or mechanical damage.
- Do not apply on masonry substrates such as concrete, marble, limestone or brick.

Health- and Safety Recommendations

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.

Disclaimer: This technical data sheet replaces all previous versions. The directives contained within this documentation are the result of our experiments and experience, and have been submitted in good faith. Because of the diversity of the materials and substrates, in addition to the great number of possible applications that go beyond our control, we cannot accept any responsibility for the results obtained. Further, since the design, quality of the substrate, and processing conditions are beyond our control, no liability under this publication will be accepted. In every case, it's therefore recommended to carry out preliminary experiments. BOSS reserves the right to modify its products, without prior notice.

Accumetric Silicone Pvt Ltd

Plot No.17, CMDA's Industrial Area, Melrosapuram,
Sengundram Village, S.P.Koil Post,
Chengalpattu – 603 204.
Email: info@bossproducts.in
Website: www.bossproducts.in