

RTV

High Temperature Silicone

Product Description:

Bostik RTV is a polysiloxane-based, acetic sealant material that hardens with the air.

Areas of applications:

- In the areas exposing to constant high temperature
- As oil leakage preventive gasket sealant in glow engines
- In engine hoods and the areas where in continuous contact with machine and engine oils
- In diluted acidic and basic medium
- As flange sealant in steam instalments
- In the places in contact with hot water and steam
- As adhesive and isolator in electric heating devices
- As sealing material and vibration absorbent in warm air channels and metal sheet joints
- As adhesive and insulating material for the protection of electric and electronic circles from heat and humidity

Features:

- A ready-to-use, one component sealing material
- Bostik RTV is a heat resistant material
- Slight smell of acetate disappears after dried
- Solvent-free
- Does not contain materials that are toxic and harmful to human health
- Permanently elastic
- Resistant to aging, weather conditions and UV lights
- Resistant to abrasion
- Unaffected by weather conditions one hour after the application (at +20°C)
- Dried surfaces do not adhere to other materials
- No paint is applicable

Technical data:

Colour	Red
Breaking Strength MPa (DIN 53504)	~ 1
Elasticity (DIN 53504)	≥ 250%
Elastic modulus at 100% elongation MPa	≥ 0,5
Shore A Hardness (DIN 53505)	~ 25 - 35
Density (gr/cm ³)	1,24 ± 0,01
Surface Drying (min)	20 ± 5
Heat Resistance	Permanently 220°C Temporarily 310°C
Run Temperature	Between +5°C and +40°C

Technical data are approximately provided according to a temperature of + 20°C and a relative humidity of 50%.

Preparing the substrate:

- The application surfaces should be strong, clean, dry and grease- and dust-free.
- Both sides can be taped in order to obtain a smooth filling.

Application:

- Before the application, the tip of the cartridge is cut and a plastic cap is fixed.
- The tip of the cap is cut according to the width of the surface and fixed to the cartridge gun.
- The joints should be filled at one time and without gaps during the application.
- After the joints are filled with silicone, the surface is smoothed by pressing with a spatula immediately.
- The adhesive tape should be removed afterwards.
- The opened packages should be consumed as quickly as possible.
- Do not apply outdoors in rainy weather.

Cleaning after the application:

- The contaminated areas and used tools should be cleaned with white spirit or alcohol within 10 minutes.
- It is cleaned only mechanically after cured.

Coverage:

The amount of use varies according to the joint sizes.

Width of joints (mm)	Depth of joints (mm)	Coverage at 1m (mm)	Coverage gr / m
5	5	25	31,00
10	10	100	124,00
20	12	240	297,00

Packaging:

In 310 ml cartridges / 25 pcs in one box

Storage:

- They should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden palettes.
- The opened products should be consumed immediately.
- Maximum 8 boxes are stacked on each other.
- Shelf life is maximum 1 year conditional to complying with the abovementioned storage conditions.

BOSTIK is only responsible for the product quality and cannot be held responsible for its mis-use except for the recommendations regarding where and/or how the product shall be used. This technical bulletin hereby is valid until it is renewed. BOSTIK's right to amend the products in accordance with technical developments is reserved.



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