

RTV SILICONE SEALANT

1. Product Description

RTV SILICONE is a single component, high modulus, acetoxycuring silicone sealant/adhesive that vulcanises at room temperature to provide a permanently flexible seal and bond.

2. Applications

RTV SILICONE is suitable for the following applications, sealing aluminium and metal ducting and fabrications, butt and channel glazing, most industrial applications (gasketing up to 250°C), refrigeration and hygiene seal and aluminium gutter sealing.

3. Useful Notes

Benefits joint movement of up to + or - 25%, temperature resistance of 250°C, adheres to most surfaces and is easy to use.

4. Recommendation for Joints

Minimum Joint Depth:	4mm
Maximum Joint Depth:	30mm
Joint Ratio:	Max. Depth 50% of joint width
Coverage:	10 linear meters (9mm x 9mm joint)

5. Instructions for Use

Ensure that surfaces to be bonded are clean and free from grease, dirt, dust and any other contamination. Glass, metal and aluminium should be cleaned with a Solvent Cleaner/Thinner for best adhesion. Cut the tip of the cartridge taking care not to damage the thread and affix nozzle to the cartridge. Cut nozzle at 45° leaving an opening slightly larger than the gap to be filled. Apply using a standard sealant gun using firm even pressure to achieve the desired bead width. To ensure a proper bond smooth the sealant with a spatula or similar tool. Smooth within 15 minutes of application. Allow bond to fully cure.

6. Procedure for Application

Product is normally applied using a sealing gun.

7. Storage

Stored between +5°C and +25°C RTV Silicone Sealant will retain its properties for 18 months.

8. Health and Safety in use

This Technical information sheet does not constitute a Material Safety Data Sheet. Before using this product ensure you have read and fully understood the Material Safety Data Sheet for RTV Silicone.

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9. Technical Features

Chemical Base:	100% Silicone Polymer
Solids Content:	100%
Appearance:	Clear, Black & White Viscous Paste
Shrinkage:	None
Specific Gravity:	1.02
Skinning Time:	5 minutes @ 20°C
Cure Speed:	2mm per 24 hours
Cleaning Solvent:	White Spirit
Application Temperature:	+5 to +30°C

11. Typical Bond/Seal Characteristics

Movement Accommodation:	+ or - 25%
Temperature Resistance:	-40°C to +250°C
Hardness Shore A:	26
Elongation at Break:	350%
Tensile strength:	Between 1 & 2 Mpa

12. Presentation

RTV Silicone is available Black, Clear and White in 80ml tubes and 310ml cartridges.

Precautions: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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