

Technical Data Sheet

TDS RTV123 SILICONE SEALANT

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BONDLOC[™]
FORMULAS THAT WORK

Bondloc RTV123 SILICONE SEALANT

PRODUCT DESCRIPTION

RTV123 SILICONE is a single component, high modulus, acetox curing silicone sealant/adhesive that vulcanises at room temperature to provide a permanently flexible seal and bond.

APPLICATIONS

RTV 123 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.

USEFUL NOTES

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

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)

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 Bondloc B7063 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.

PROCEDURE FOR APPLICATION

Product is normally applied using a sealing gun.

STORAGE

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

HEALTH & 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 Bondloc Material Safety Data Sheet RTV SILICONE.

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

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

PRESENTATION

Bondloc RTV SILICONE is available in 80ml tubes and 310ml cartridges.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

Warranty: All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is considered accurate but is furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.