



# D212 HIGH TEMPERATURE RTV SILICONE SEALANT

## PRODUCT DESCRIPTION

Delta D212 HIGH TEMPERATURE RTV (Room Temperature Vulcanising) SILICONE SEALANT is specifically designed for high temperature industrial applications, curing by reaction with atmospheric moisture to give a tough and flexible rubber seal. The formulation has an extremely low shrinkage, quick curing and is completely solvent free.

## AREAS OF USE

The product has a wide area of application which includes the following:-

- Industrial and Engineering uses, such as gasket and sealing replacement.
- For joints and assemblies, which must be resistant to high temperatures in ducting, metal chimneys, industrial/domestic ovens, heating appliances.
- High temperature metal to metal and glass to metal expansion joints.

## DIRECTIONS FOR USE

Surfaces must be clean, dry and free from all traces of grease, oil, wax and dust. The bond faces are best treated with a cleaning agent such as D406 Surface Preparation Cleaner or D513 Cleansing Wipes.

Cut the end cap from the cartridge leaving the thread attached, fit the nozzle and cut to the desired angle to suit the application. Apply using a pneumatic or manually operated cartridge gun. When making a joint, masking tape should be used to prevent contamination of adjacent substrates and ensure a neat sealing line. Masking tape should be removed immediately after tooling. The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant gives a smooth professional finish.

## BENEFITS

- Excellent temperature resistance. Remains flexible from -50°C to +300°C.
- Excellent adhesion to non-porous surfaces.
- Fast cure with low dirt pick up.
- Liquid/gas tight seal.
- High electrical resistance.

## LIMITATIONS

- Not for use in conjunction with bitumen or asphalt.
- Not for use on highly porous surfaces such as new concrete or stonework.
- Not for use on substrates that may bleed oils, solvents or plasticisers.
- Do not use above 300°C
- At temperatures above 285°C, slight discolouration may occur, but the joint will maintain its integrity.
- Do not use for perimeter pointing of uPVC.
- Do not use on soft metals such as lead or brass.
- Do not use for aquarium manufacture.
- Not overpaintable.



<b>TECHNICAL DATA</b>	MOVEMENT ACCOMODATION	+ or - 20%
	SKINNING TIME	5 mins @ 20°C
	CURE TIME	3mm per 24 hours
	HARDNESS SHORE A:	20 - 25
	SHRINKAGE	<3%
	SERVICE TEMPERATURE RESISTANCE	-50° to 300°C
	APPLICATION TEMPERATURE	+5°C to +40°C
	TENSILE STRENGTH	1.0 MPa
	STRESS	0.3 MPa
	SPECIFIC GRAVITY	1.02 - 1.05
	MINIMUM JOINT WIDTH	6mm
	MAXIMUM JOINT WIDTH	30mm
	JOINT RATIO	Maximum depth 50% of joint width
	COVERAGE	@ 10 linear meters 9 x 9mm fillet joint
	COLOUR	Black
SHELF LIFE	12 months when stored in unopened packaging @ +5° to +25°C	

**PACKAGING** • Available in 310ml rigid cartridge. Other packs available on request.

**HEALTH AND SAFETY** • Refer to the relevant Material Safety Data Sheet (MSDS).

**LEGAL NOTICE**

The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Delta Adhesives Limited accepts no liability arising out of the use of this information or the product described herein.

Delta Adhesives Limited, Units 39 - 41, Claycliffe Business Park, Cannon Way, Barugh Green, Barnsley, S75 1JU  
 Tel: (01226) 381 571 Fax: (01226) 381 722



[www.delta-adhesives.co.uk](http://www.delta-adhesives.co.uk) email: [info@delta-adhesives.co.uk](mailto:info@delta-adhesives.co.uk)

