



# D209 TRU-FLEX FDA 25 CLEAN ROOM SEALANT

SEALANTS & GASKETING

## PRODUCT DESCRIPTION

Delta D209 TRU-FLEX FDA 25 CLEAN ROOM SEALANT is a High Modulus Neutral Cure Fungicidal Silicone Sealant and Adhesive specifically designed for clean room environments and areas where repeated contact with food is likely.

## AREAS OF USE

- For sealing and bonding a clean room and sterile environment.
- For sealing in refrigeration units.
- Sealing worktops/kitchens where food contact is likely.
- Seals ceramics, porcelain, vitreous enamel, glass and most metals/plastics/coated metals.

## DIRECTIONS FOR USE

### Surface Preparation

Surface must be clean, dry and free of water, oil, grease or rust and of sound quality. Remove all loose particles or residue with a jet of compressed air, sandpaper, hard brush. Clean surface with D406 Surface Preparation Cleaner or D513 Cleaning Wipes.

### Priming

Pre-test substrates for adhesion. Cleaners and/or primers may be required to achieve optimal adhesion. As a rule, the substrates must be prepared in accordance with DELTA instructions; specific guidance regarding adhesion on specific surfaces may be obtained by submitting substrate samples for analysis to our laboratories.

### Application

Cut the tip of the cartridge taking care not to damage the thread. Apply nozzle and cut cleanly at an angle of 45 degrees with an opening slightly larger than the gap to be sealed. Apply using a standard sealant gun. Best results will be obtained by keeping and even pressure on the gun trigger and keeping the gun at a constant angle to the surfaces to be sealed. To ensure a proper bond, always smooth down sealant using a spatula or piece of wood wetted with soap and water solution. SMOOTH DOWN WITHIN 15 MINUTES OF APPLICATION. An improved appearance can be achieved by placing masking tape to both sides of the joint, removing within 5 minutes of application. Once opened, packs should be used within a relatively short time. Do not apply at temperatures below 5°C or above 40°C. The optimum operating temperature for both substrate and sealant is between 15°C and 25°C.

### Tooling and Finishing

Tooling and finishing must be carried out within the tack-free time of the sealant.

### Removal

Uncured product can be removed with a white spirit or another suitable solvent. Once cured the material can only be removed mechanically.

## BENEFITS

- Safe for repeated food contact.
- FDA Approved (21CFR177.2600 tested by IANESCO).
- Conforms to ISO 11600 F25HM.
- Contains fungicide - highly resistant to mildew and mould growth.
- High viscosity non-slump formula.
- Movement accommodation +/- 25%.
- Excellent adhesion to most non porous and porous surfaces.
- Temperature resistant to 150°C

**LIMITATIONS**

- Do not use on aquariums and pond structures.
- Do not overpaint.
- Do not use on surfaces that bleed oils or plasticisers.
- Test adhesion on plastic prior to use.
- It is the users responsibility to determine suitability for use. If in doubt, please contact Delta Technical Services for advice.

<b>TECHNICAL DATA</b>	MOVEMENT ACCOMMODATION	+ or - 25%
	SKINNING TIME	30 mins @ 20°C
	CURE TIME	1-2mm per 24 hours
	HARDNESS SHORE A	25 APPROX
	SHRINKAGE	<5%
	SERVICE TEMPERATURE RESISTANCE	-50°C TO +150°C
	APPLICATION TEMPERATURE	+5 to +40°C
	MODULUS	High
	MINIMUM JOINT WIDTH	6mm
	MAXIMUM JOINT WIDTH	50mm
	JOINT RATIO	Maximum depth 50% of joint width
	COVERAGE	10 linear meters for a 9 x 9mm fillet joint
SHELF LIFE	12 months when stored in dry conditions between +5°C to +25°C	

**HEALTH AND SAFETY**

- Refer to the relevant Material Safety Data Sheet (MSDS).

**PACKAGING**

- Available in 310ml rigid cartridge. Other packs available on request.

**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.

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