



CRC Industries NZ, Auckland NZ

## ***I. Product Description***

ADOS Food Grade Sealant is a low modulus silicone joint sealant with 100% neutral cure. This highly flexible sealant contains additives to resist mould and mildew, with excellent adhesion to plastics, ceramics, stainless steel, metals and glass. The chemically stable formulations show little change in physical properties after exposure to moisture and temperature extremes.

It is specially formulated for use in food, pharmaceutical and other clean environments where MPI certification is required, ideal for refrigerated rooms or household and other commercial uses.

## ***II. Features & Benefits***

- MPI Approved C82
- NZ AsureQuality Approved
- Highly flexible with excellent adhesion
- Works on Wet & Dry Surfaces
- Mould & Mildew resistant
- Waterproof seal

## ***III. Uses***

- Ideal for use in food, pharmaceutical and other clean environments where MPI certification is required
- Excellent adhesion to plastics, ceramics, stainless steel, metals glass, aluminum, kitchen and bathroom fixtures, porcelain, showers, sinks, tiles

## ***IV. Application and Directions***

### **Directions:**

- Surface must be clean and dry before application.
- Use mechanical or solvent cleaning. Do not use soap or detergent.
- Use masking tape to cover surfaces and joints to simplify cleaning.
- If surface requires primer, the primer must be dry before applying sealant.
- Before placing cartridge in application gun, slice nozzle at 45 degree angle at desired bead size.
- Press nozzle against surface and apply sealant.
- Tool to eliminate all voids within 5 minutes of applying sealant. Tack-free time is 1 hour.
- Sealant will fully cure in 72 hours.
- Remove masking tape within 1 hour. Any uncured sealant can be cleaned up with mineral turpentine.
- Cured product can be removed with *ADOS Silicone Remover*.

### **Wet Materials:**

- Remove surface water as much as possible.
- Keep nozzle close to surface so extruding sealant immediately contacts the surface.
- Tool the sealant immediately into joint
- Adhesion will improve on drying. Where adhesion is difficult, wipe the surface with solvent and apply sealant to partially dry substrate.
- *Food Grade Sealant* will seal on non-porous surfaces such as glass, metal and tiles, but adhesion to porous substances such as cement and timber may not be possible while wet.



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## V. Typical Properties and Characteristics

### Physical Properties & Performance Characteristics:

Composition	Silicone polymer
Curing Method	Neutral cure
Colour	White
Service Temperatures	-50°C to +150°C
Hardness (Shore A)	17
Slump	Nil
Tensile Strength	$\geq 0.8\text{N/mm}^2$
Dynamic Joint Movement	$\pm 20\%$
Elongation	$\geq 250\%$
Tooling Time	10 minutes
Tack Free Time	30 minutes
Cure Time (5mm, 20°C / 55% RH)	2 days

### Estimating Requirements – linear metres per cartridge for various joint dimensions:

Depth mm	Width mm						
	3.3	6.4	9.7	12.7	16.0	19.2	25.4
3.3	29.7	14.88	9.93	7.44	5.94	4.97	3.72
4.9		9.93	6.64	4.97	3.96	3.31	2.48
6.4		7.42	4.97	3.72	2.97	2.49	1.86
9.7			3.31	2.48	1.98	1.64	1.23

## VI. Package Description

Part Number	Size
3310	300GM Cartridge

## VII. Special Precautions

### General:

Uncured sealant may cause skin, eye and respiratory system irritation.

Use only in well ventilated areas.

Use appropriate personal protection to avoid contact with skin and eyes.

### First Aid:

In case of eye contact or irritation, flush eye immediately with running water for 15 minutes and get medical attention.

In case of skin contact, wash affected areas with hand cleaner followed by soap and water. Product releases acetic during application and curing. For further health and safety information consult current Material Safety Data Sheet.



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**TECHNICAL DATA SHEET** Version **02/2016**

**PRODUCT WARRANTY:** CRC offers a conditional warranty of this product for the period of 2 years from the date of manufacture.

**DISCLAIMER:** All information on this data sheet is based on testing by CRC Industries NZ. All products should be tested for suitability on a particular application prior to actual use. CRC Industries makes no representations or warranties of any kind concerning this data.