

**Product No. FZ14082,FZ14083,FZ14087,FZ14088**

## TECHNICAL DATA SHEET



ACN 000 725 833

# **CRC Industries (Aust) Pty. Limited**

PO Box 199, Castle Hill, NSW 1765.

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

**CRC Food Zone Sealant** is a low modulus silicone joint sealant acetic cure. This highly flexible sealant has 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 clean environments where NSF certification is required. Ideal for refrigerated rooms or household and other commercial uses.

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

- Highly flexible with excellent adhesion.
- Waterproof seal.
- Meets NSF/ANSI #51.
- Meets FDA Regulation 21 CFR 177.2600.

### ***III. Uses***

- Ideal for use in food and other clean environments.
- 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 within 20 minutes.
- Sealant will fully cure in 24 hours.
- Remove masking tape within 1 hour. Any uncured sealant can be cleaned up with mineral turpentine.

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## 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.
- **CRC Food Zone 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.

## V. Typical Properties and Characteristics

### Physical Properties & Performance Characteristics:

<b>Composition</b>	Silicone Polymer	<b>Tensile Strength</b>	≥ 1.0 MPa
<b>Curing Method</b>	Acid (Acetic)	<b>Dynamic Joint Movement</b>	± 25%
<b>Colour</b>	Various	<b>Tooling Time</b>	6-20 minutes
<b>Service Temperatures</b>	-60°C to +150°C	<b>Toxicity</b>	Not suitable for fish tanks
<b>Peel Strength (ASTM C794)</b>	2.9 kN/m	<b>Tack Free Time</b>	10 - 20 minutes
<b>Hardness (Shore A)</b>	20-35	<b>Cure Time (5mm, 20°C / 55%RH)</b>	24 hours
<b>Sag / slump (w = 20mm)</b>	< 1mm		

## VI. Package Description

Part Number	Size
FZ14082 Food Grade Silicone Sealant White	375grm cartridge
FZ14083 Food Grade Silicone Sealant Clear	375grm cartridge
FZ14087 Food Grade Silicone Sealant Grey	375grm cartridge
FZ14088 Food Grade Silicone Sealant Aluminium	375grm 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 Safety Data Sheet.

**PRODUCT WARRANTY:** CRC offers a conditional warranty on this product for the period of 5 years from the date of manufacture.

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

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