



CRC Industries NZ, Auckland NZ

I. Product Description

ADOS Black RTV Neutral Cure is a single component, general purpose, fast curing silicone formulated to seal and bond most materials. It is a non-corrosive, low odour sealant that quickly and effectively forms a durable, permanently flexible weatherproof seal at room temperature. *ADOS Black RTV Neutral Cure* has exceptional resistance to oil, grease, chemicals, weathering, temperature extremes, moisture and vibration. It is capable of high joint movement up to 20%.

ADOS Black RTV Neutral Cures' superior adhesion strength makes it ideal for automotive and marine applications, general sealing and bonding, windscreen sealing applications, gasketing, maintenance and assembly applications, and can also be used with zinc-coated/galvanised metal products, aluminium frames and fibreglass to glaze, seal and weatherproof.

II. Features & Benefits

- **Neutral cure, non-corrosive**
- **Excellent adhesion**
- **Bridges up to 8mm**
- **Resists water, oil, chemicals**
- **Auto & marine grade**
- **100% RTV silicone**
- **Permanently flexible**
- **Withstands NZ conditions**
- **Contractors grade silicone**
- **Resists cracking, shrinking and vibration**
- **Fast curing**
- **Low odour**

III. Application and Directions

Preparation:

- Surfaces must be clean from any contamination and dry before application.
- Use mechanical or solvent cleaning. Do not use soap or detergent.
- Use methylated spirits on glass, and for plastic consult the supplier for recommended cleaning solvent.
- Use masking tape to cover surfaces and joints to simplify cleaning.

Application:

- Before placing cartridge in application gun, slice nozzle at a 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.
- Immediately after completion, clean excess sealant off surfaces, tools and hands with a clean, dry cloth.
- Remove masking tape within 1 hour.

Clean Up:

- *ADOS Solvent N* to clean uncured product off equipment and surfaces.
- *ADOS Silicone Remover* to remove cured product.
- *ADOS Solvent PS* is suitable for removing stains from sealant.

Note: Not recommended for use on submerged joints, especially where porous substrates permit water to the bond interface. Not suitable for use on polycarbonate.



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IV. Typical Properties and Characteristics

Physical Properties & Performance Characteristics:

Composition	Silicone polymer
Curing Method	Neutral (Oxime)
Colour	Black
Service Temperatures	-60 °C to +150 °C
Peel Strength (ASTM C794)	2.9 kN/m
Hardness (Shore A)	20-35
Sag / slump (w = 20mm)	< 1mm
Tensile Strength	≥ 1.0 MPa
Dynamic Joint Movement	± 25%
Density	1.04
Tooling Time	6-20 minutes
Toxicity	Not suitable for fish tanks
Tack Free Time	20 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

V. Package Description

Part Number	Size
8367	310ml Cartridge

VI. Special Precautions

General:

Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Use in a well-ventilated area. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Dispose of empty containers safely. All unused product should be disposed of in conformance with local and HSNO regulations, do not contaminate water supply.

First Aid:

- Swallowed – Rinse mouth with water.
- Eye – Wash with running water. For discomfort seek medical advice.
- Skin – Wash with water and soap.
- Inhaled – Fresh air. Rest, keep warm.

Refer to Material Safety Data Sheet for more details.

TECHNICAL DATA SHEET Version 07/2013

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.