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Silicone RG Trans

General purpose neutral cure, translucent silicone sealant

INTRODUCTION

Silicone RG is a high quality, single part neutral curing silicone adhesive/sealant. Silicone RG can be used for general purpose glazing, industrial, construction and automotive sealing applications where excellent adhesion and long term reliability is required.

Silicone RG has excellent weathering properties in both hot and cold environments and has a high resistance to UV exposure.

Silicone RG is ideal for use in applications such as:

- General purpose glazing and weather sealing (BS5889 building approved).
- Roofing, gutters and rainwater tanks (AS4020 approved)
- Electrical sealing and insulation
- Automotive, caravan and truck body sealing and assembly.

PRODUCT FEATURES

- Excellent adhesion to most common building materials including glass, aluminium, galvanised steel, concrete, wood, ceramics, plastics and most powder coated surfaces.
- Excellent weathering properties
- High resistance to UV exposure
- Fast cure
- Low slump
- Good movement capability ($\pm 25\%$)
- Does not corrode metals
- 5 Star Rating for VOC <5%

PREPARATION

Surfaces to be adhered with Silicone RG must be clean, dry, sound, and free of oil, grease, rust or other contaminants which may affect adhesion of the product.

PREPARATION (CONTINUED)

Loose concrete or other unsound material should be removed from the surface prior to the application of Silicone RG.

Metals should be cleaned with a non-oily solvent soaked clean cloth. Solvent should then be removed from the surface with a clean dry cloth.

Glass should be cleaned with methylated spirits.

Where used as a remedial sealant, all existing sealant and loose material must be removed.

APPLICATION

Silicone RG can be applied using a standard caulking gun.

Cut the nozzle at a sharp angle, slightly wider than the desired bead. Extrude sealant with the gun and tool with a round spatula within 10 minutes of application to spread sealant against joint surfaces.

Tool off to desired finish within 10 minutes of application.

TYPICAL PROPERTIES

(@ 23°C unless otherwise stated)

Curing method	Neutral (oxime)
Sag / Slump	No slump (max 0.1%)
Hardness (ASTM D2240)	28 Shore A
Tensile Strength KGF/CM2 (MPA)	20 (2.0)
Dynamic Joint Movement	$\pm 25\%$
Elongation %	400%
Skin time (@20°C & 50% RH)	5 - 10 minutes
Cure time 10mm (@20°C & 50% RH)	5 - 7 days
Operating Temperature Range	-60 to 170°C
Specific Gravity	1.04

CLEAN UP

All equipment should be cleaned immediately after use with Resiloc Thinners.

Wet product should be removed by wiping with absorbent paper towel, then residue removed with Resiloc Thinners. Cured material can only be removed mechanically.

SUPPLY & STORAGE

Silicone RG is available in 300ml cartridges, in cartons of 20 cartridges. Silicone RG should be stored in a cool, dry place in original unopened containers. Shelf life under these conditions is 12 months.

PRECAUTIONS & LIMITATIONS

Silicone RG is not designed for use in submerged joints where a porous substrate permit water at the bond interface.

In aquarium construction and structural glazing, an acetic cure silicone may be more appropriate.

Silicone RG has been designed for use in ambient temperatures between 5°C and 35°C. Where conditions outside this range are expected, please contact our technical staff for further instructions and precautions.

Material Safety Data Sheets (MSDS) are available to users of Aitken Freeman products on request. Please ensure you have read this data sheet, the MSDS, and the product label carefully before first use of any product.

ALLIED PRODUCT RANGE

Aitken Freeman P/L is a 100% percent Australian owned company, which manufactures and distributes a broad range of high quality construction products including:

- Grouts and anchoring systems
- Epoxy Surface Coatings
- Admixtures for concrete
- Adhesives & Sealants
- Floor toppings
- Floor levelling compounds
- Concrete Repair materials
- Waterproofing solutions

PRODUCT SUPPORT

Through our team of technical staff, Aitken Freeman can offer support to users and specifiers of our products, and in most cases can arrange on-site visits where necessary to assist end users and contractors.

Refer to Material Safety Data Sheet for precautions and personal protection prior to use of this product

Disclaimer: Any advice, recommendation, information, assistance or service provided by Aitken Freeman P/L in relation to goods manufactured or supplied by them or their use and application is in good faith and is believed by Aitken Freeman P/L to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Aitken Freeman P/L is provided without liability.