

# Silcon RG

**One part silicone sealant for use on roofs, gutters and other metal surfaces.**

## DESCRIPTION

Silcon RG is an oxime neutral curing silicone sealant approved for use with all BHP steel finishes. Silcon RG is suitable for use in the fabrication of steel rainwater goods including guttering, downpipes, water storage tanks and in general sheet-metal work. It is also suitable for use as a glazing sealant where a neutral cure is required. (Note: Silcon RG is not suitable for use as a structural glazing silicone.)

## TYPICAL USES

- Metal roofing and guttering
- Flashings and downpipes
- Lap joints in sheet metal work, particularly Colourbond, Zinalume and other BHP steel finishes
- Air conditioning duct work
- General purpose sealant for many common building materials.

## ADVANTAGES

- Excellent adhesion to a wide range of materials such as sheet metal, aluminium, ceramic, glass, concrete and many plastics
- Outstanding durability, greater than 20 year life expectancy
- Unaffected by rain, snow, extreme temperature change or constant exposure to UV radiation
- 5 minute skin time
- Excellent for sealing butt or lap shear joints
- Conforms to Australian Standard AS4020 (products for use in contact with potable water)

## TYPICAL PROPERTIES

Property	Value
Skin time @ 20° C	5 minutes (approx)
Tack free time @ 20°C	6 minutes (approx)
Joint movement accommodation	± 25%
UV & ozone resistance	Excellent

## PROPERTIES (Cont)

Property	Value
Application temperature range	10° to 60°C
Service temperature range	-60°C to +180°C
Hardness (Shore A)	27
Specific gravity	1.04
Tensile strength (kgf/cm <sup>2</sup> )	18
Slump	None
Staining	None
Colours	White, trans, grey.

## APPLICATION INSTRUCTIONS

### Roofing & Guttering Applications

Silcon RG is typically used to seal lap joints in roofing, guttering and other sheet metal work where the components are subsequently fastened mechanically, e.g. riveted or bolted together.

Apply a bead of Silcon RG to one surface. Carefully align the second component and press into place ensuring that full contact is made with the sealant bead. The fastenings are put in place and secured.

### Standard Glazing

A thin bead of sealant will tolerate more movement than a thick bead. Joint width and depth should not be less than 4mm. Maximum joint width should be 25mm.

Depth should be half the width with a maximum of 10mm. AFTEK closed cell polyethylene foam rod is the recommended material to provide the correct depth of joint. If the joint is too shallow use a polyethylene tape bond breaker. Do not allow Silcon RG to contact the back of the joint or any staining material.

### Butt Glazing

The sealant bead may be as deep as the glass thickness and the maximum 10mm depth joint recommendation does not apply.

## MARKETING SERVICES

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## AFTEK SILCON RG

### SURFACE PREPARATION

All surfaces must be clean, dry sound and free from dust, rust, oil, wax or any other contamination.

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

Use alcohol such as methylated spirits on glass. For plastic contact AFTEK.

#### Primer

Priming is not normally required on smooth, dense substrates such as steel, aluminium or glass, or on sound concrete or brickwork.

Porous substrates and some plastics may require priming. Please contact Aftek technical services for advice on priming.

#### Application

Cut nozzle at a 45 degree angle slightly wider than the required bead. Extrude sealant with a gun and tool with a round spatula within 5 minutes to spread the sealant against the joint surfaces.

When necessary to produce a neat appearance masking tape is recommended. Masking tape should be applied to both sides of the joint prior to application of the sealant. This should be removed after tooling, before a skin forms.

Clean up any excess sealant immediately with a cloth dampened with mineral turpentine. Cured sealant can be removed by trimming with a sharp blade. Do not under cut the seal.

### LIMITATIONS

Silcon RG is not recommended for:

- Porous substrates which permit water to the bond interface.
- Service temperature exceeding 180° C.
- Horizontal joints subjected to traffic
- Structural glazing applications
- Use on polycarbonate or polyacrylate sheeting if they are under tension as stress cracking can occur.
- For use in swimming pools or spas. Chlorinated water used in pools and spas will damage the sealant bead.

Silcon RG is not paintable

### HEALTH AND SAFETY

Contact with uncured product will irritate eyes. In case of eye contact, immediately flush with water for 15 minutes and seek medical attention.

Avoid contact with skin or clothing. Prolonged skin contact may cause sensitization in the skin.

Use in well ventilated area, as Methyl Ethyl Ketoxime and Methanol are released during cure.

Gloves and protective goggles must be worn during application and use.

If swallowed, do not induce vomiting. Give a glass of water and seek medical attention.

If skin contact occurs, remove contaminated clothing and wash skin thoroughly for 15 minutes.

If poisoning occurs, contact a doctor or Poisons Information Centre (Australia: 13 12 16; NZ: 03 4747 000)

Keep out of reach of children.

### TECHNICAL SUPPORT

Aftek offers a comprehensive range of sealants and adhesives most applications. Aftek offers technical support and on-site advice to specifiers, end users and contractors.

#### NOTE

Material Safety Data sheets for these and all AFTEK products are available on request. Read these MSDS and product label carefully before using.

All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer.

### ALLIED PRODUCTS

Aftek manufactures a broad range of construction products including.

Grouts  
Coatings  
Admixtures  
Adhesives  
Sealants  
Floor Toppings  
Floor Levelling Compounds  
Concrete Repair