

TECHNICAL DATA SHEET TRADESMAN ROOF & GUTTER

DATE: 29/08/2011

1. COMPANY & PRODUCT INFORMATION

Supplier:	Macsim Australia Pty Ltd
Address:	10 Wonderland Drive Eastern Creek, NSW, 2766
Phone:	(+612) 9881 2400
Fax:	(+612) 9881 2444
Product Name:	Tradesman Roof & Gutter Silicone
Classification:	Silicone Sealant
Product Use:	Tradesman Roof & Gutter Silicone Sealant is a one part sealant that offers excellent adhesion, weatherability and elasticity for general glazing and for sealing application.
Product Code:	53TRGT(Translucent), 53TRGA(Aluminium),53TRGB(Black), 53TRGG(Grey), 53TRGW(White)

2. TECHNICAL DATA

Appearance:	Non sagging paste
Odour:	Low oxime smell
Specific gravity:	1.03
Shore A Hardness:	24 Approx.
Elongation:	400%
Tensile Strength:	1.20MPa Approx.
Tack Free Time:	Within 15 minutes
Application Temp:	-20°C to 50°C
Service Temp:	-50°C to 150°C
Shelf Life:	12 months if stored in temperatures between 5°C to 25°C
Curing Time:	Tradesman Roof & Gutter will tack free in approximately 15 minutes and will cure to a depth of 10mm in 7 days.
Joint Design:	<p>The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.</p> <p>Generally calculation of the width of Tradesman Roof & Gutter sealant bead should be computed on the basis of a maximum $\pm 25\%$</p> <p>Compression and extension capability minimum bead size should not be less than 3mm to accommodate movement. Design joint depth of which ratio width becomes 0.5 to 1.</p>
Suitable Joint:	<p>Depth Vs Width</p> <p>6mm x 6mm</p> <p>8mm x 12mm</p> <p>10mm x 20mm</p>
Joint Size Minimum:	3mm x 3mm
Joint Size Maximum:	30mm

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3. APPLICATION

Applications:	Surface must be clean and dry. Mask smooth surface to simplify clean up. Use approved back up material in joint. Cut nozzle to desired size. Insert cartridge into caulking gun. Push sealant ahead for uniform bead. Tool within 5 minutes. Clean off excess sealant with M.E.K or Toluene.
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4. CHARACTERISTICS

Cures:	Neutral
Non Corrosive:	To metals, alkaline substrates and automobiles
Durability:	Outstanding
Mixing:	One part
Flexibility:	Permanent
Gunability:	Excellent (-20°C to 50°C)
Weather Proof:	Yes
Shrinkage:	Low
Sagging:	No
Adhesion:	Primerless adhesions to most materials
UV Resistance:	Yes
Guarantee:	25 years, if used according to instructions

5. LIMITATIONS

Not Recommended for:	High Traffic areas Areas subject to abrasion Paints coating Poly-Carbonate or polyacrylate if they are under tension.
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6. PACKAGING

Cartridge:	300ml
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7. SHELF LIFE

Directions:	12 months if kept in a cool, dry place and stored in temperatures between +5°C to +25°C.
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8. SURFACES/ USES

General glazing:	Masonry, concrete, ceramic stone, glass, aluminium, most plastics, wood, brick, zincalume, galvanised iron.
General Sealing:	Containers, automobiles, rain water goods, roofing, joints in building and civil engineering.
DIY Applications:	Gutter, air-conditioning, car, boat and other marine industry uses.
Electronics Sealing:	As sealants in the electrical and electronics industry.

9. OTHER INFORMATION

The information in this TDS is based on our present knowledge to the date of this publication. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is only a guide for safe handling, use, storage, transporting and disposal of the product.