



**Product description**

Roof Seal is UV and weather resistant for exterior plumbing and roofing applications. Roof Seal is a neutral (non-acid) silicone sealant ideal for metal flashings and rainwater accessories and will not corrode zinc galvanised steel.

**Recommended uses**

- Sealing roof flashings.
- Sealing lap joints in gutters, down pipes and other sheet metal components.
- Sealing flashings to chimneys and flues.
- Sealing around roof ventilators, skylights and other penetrations.
- General plumbing.
- Exterior applications.

**Suitable for use on**

- Galvanised steel
- Aluminium
- Colour coated steel (eg Colorbond®)
- Timber
- Terracotta
- Rigid PVC pipe
- Brick
- Concrete and cement

**Features and benefits**

- UV and weather resistant
  - Excellent resistance to accelerated aging and weathering to ASTM C792.
  - Permanently flexible
  - Will not shrink or crack
- Thixotropic - No sagging or running
- Excellent flexibility - joint movement +/-25%
- Suitable for contact with drinking water - AS4020-1994
- Non-corrosive neutral cure silicone
- Very easy to apply and gives a smooth finish
- Low odour

**Precautions**

- Not for:
  - Permanent immersion
  - Contact with materials containing bitumen
  - Horizontal joints subject to traffic
  - Below grade applications
  - Teflon®, polyethylene or polypropylene
  - Polycarbonate
  - Repairs of burst pipes
- Test for staining or discoloration prior to use on unpredictable absorptive surfaces such as marble, limestone or granite.
- Not paintable

**Typical Properties**

Property	Typical Value
Chemical type	Oxlime
Skin time BS5889	8 mins
Tack free time ASTM C679	30 mins
Tool working time ASTM C679	Up to 10min @ 25°C 50% RH
Slump BS5889	None
Application temperature	-10 to 40°C
Cure rate	1.0mm / 24 hours
Service temperature	-50 to 150°C
Max. joint movement ASTM C920	±25%
Tensile strength ASTM D412	1.10N / mm <sup>2</sup>
Modulus at 100% elongation ASTMD412	0.40N / mm <sup>2</sup>
Elongation at rupture ASTMD412	630%
Peel strength after UV through glass BS5889	50N / 25mm
Cure hardness ASTM C661	Shore A17-22

**Skinning Time**

Up to 8 minutes at 25°C and 50% relative humidity. Cooler temperatures and / or lower humidity will result in longer skinning time. Higher temperatures and / or humidity will result in faster skinning time.

**Cure**

Roof Seal cures by reaction with moisture in the air so cure starts from the air exposed surface and propagates through the sealant at a rate of 1 mm per 24-hour period.

**Clean up**

Clean up uncured material and equipment immediately after use using mineral turps. Cured Roof Seal is difficult to remove. Masking around joints before application of sealant is recommended to avoid clean up and to provide a neat finish.

**Colours, Pack Sizes and Order Numbers**

Colour	Pack Size	Order Number
Translucent	300ml	RFLTRG300

**Storage**

Store between 5°C and 25°C. Shelf life is 1 year in original unopened container.

**Health and Safety**

Avoid contact with the skin, eyes and avoid breathing vapour. For more detailed information refer to the Material Safety Data Sheet. Call 0800 726 738 or visit the website [www.ramset.co.nz](http://www.ramset.co.nz)