

TECHNICAL DATA SHEET

Description

Selleys® Roof & Gutter Silicone Sealant is a neutral-cure, 100% silicone sealant that provides a superior waterproof seal and excellent UV and weather resistance, making it ideal for use on roofing, gutters, and flashings around the home. Available in a wide range of colours to match a variety of roof and gutter sheet profiles.

Features

- 25-year guarantee against cracking and peeling*
- 100% Silicone
- UV and weather resistant
- Resist lifting
- Neutral cure

Usages

- Ideal for sealing joints around the roof, gutters, flashings, skylights and tile roofing
- Suitable for sealing common substrates for roofing, such as Colorbond® sheet and coated metal panels
- Suitable for sealing joints in air conditioning units, fences, facades, etc.

Product and Technical Information

Product Data		Technical Performance		
Technology	Silicone	Joint Movement	± 25%	ASTM D412 ASTM D412
Cure Mechanism	Moisture curing	Slump	0 mm	
Specific Gravity	1.04	Shore A Hardness	32	
Tooling Time	5 mins	Elongation @ Break	330 %	
Skin Time	5-10 mins	Modulus at 100% Elongation	0.6 MPa	
Tack-free Time	30 mins	Application Temperature	+5 °C to +30 °C	
Curing Rate	2 mm/24 hrs	Service Temperature	-60 °C to +150 °C	
Shelf life	18 months	Storage Temperature	+5 °C to +27 °C	
		VOC	33 g/L	

The table results are based on current product material data, quality test methods, and testing conditions, such as temperature, moisture, and substrate.

Standards & Conformities

AS/NZS 4020:2018 *Testing of Products for Use in Contact with Drinking Water*

ASTM D3960-05 *Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings.*

Not all colours have been tested for AS/NZS 4020:2018; check the current test reports available upon request.

Substrate

Porous

- Timber / Plywood
- Fibre Reinforced Cement
- Bricks
- Concrete
- Masonry

Non-porous

- Aluminium
- Steel / Stainless Steel
- Mild / Galvanised Steel
- Powder-coated steel*
- PVC

Exception

- Not for use on polyethylene, polypropylene or PTFE (Teflon®).
- Pre-test compatibility with substrates before use.

Method of Applications

Surface

- Ensure all surfaces are clean, dry, sound, and free of dust, oil, rust, and other contaminants.
- Clean non-porous surfaces with a clean cloth dampened with IPA or white spirit, wiping in one direction only, then immediately followed by wiping with a clean, dry cloth.
- Remove all existing adhesives or sealants before use on remedial work.

Cartridge

- Cut the cartridge tip, screw on the nozzle, and trim to the desired bead size.
- Insert the cartridge into the caulking gun.

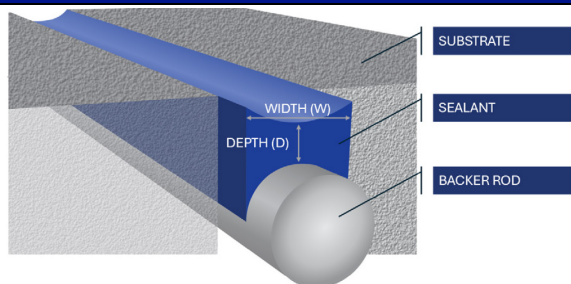
Gun

- Use a good-quality gun. Best to use a high-thrust-ratio caulking gun for high-viscosity products.

Application

- Apply a continuous bead of sealant to the joint.
- For a smooth finished joint, tool the sealant with a clean spatula dipped in soapy water before skin formation.

Joint Design & Considerations



- Optimum W:D ratio for joint sealing is **2:1**.
- Min. joint width and depth is 5mm.
- Width up to 12mm:
use a W:D ratio of 1:1
- Width greater than 12mm:
use a W:D ratio of 2:1

Recommendation on Backer Rod: Allow 25%-50% size larger than the joint width.

Coverage and Consumption

Linear joint estimate consumption in meters (m) for 300mL and 600mL

		DEPTH (mm)															
		5		6		8		9		10		12		15		20	
WIDTH (mm)	5	12	24	10	20	7.5	15	6.7	13.3	6.0	12	5.0	10	4.0	8.0	3.0	6.0
	6	10	20	8.3	16.7	6.3	12.5	5.6	11.1	5.0	10.0	4.2	8.3	3.3	6.7	2.5	5.0
	8	7.5	15	6.3	12.5	4.7	9.4	4.2	8.3	3.8	7.5	3.1	6.3	2.5	5.0	1.9	3.8
	9	6.7	13.3	5.6	11.1	4.2	8.3	3.7	7.4	3.3	6.7	2.8	5.6	2.2	4.4	1.7	3.3
	10	6.0	12	5.0	10.0	3.8	7.5	3.3	6.7	3	6	2.8	5.6	2.0	4.0	1.5	3.0
	12	5.0	10	4.2	8.3	3.1	6.3	2.8	5.6	2.5	5.0	2.1	4.2	1.7	3.3	1.3	2.5
	16	3.8	7.5	3.1	6.3	2.3	4.7	2.1	4.2	1.9	3.8	2.1	4.2	1.3	2.5	0.9	1.9
	18	3.3	6.7	2.8	5.6	2.1	4.2	1.9	3.7	1.7	3.3	1.6	3.1	1.1	2.2	0.8	1.7
	20	3.0	6.0	2.5	5.0	1.9	3.8	1.7	3.3	1.5	3.0	1.4	2.8	1.0	2.0	0.8	1.5
	24	2.5	5.0	2.1	4.2	1.6	3.1	1.4	2.8	1.3	2.5	1.0	2.1	0.8	1.7	0.6	1.3
	30	2.0	4.0	1.7	3.3	1.3	2.5	1.1	2.2	1.0	2.0	0.8	1.7	0.7	1.3	0.5	1.0
	40	1.5	3.0	1.3	2.5	0.9	1.9	0.8	1.7	0.8	1.5	0.6	1.3	0.5	1.0	0.4	0.8
VOLUME →		300	600	300	600	300	600	300	600	300	600	300	600	300	600	300	600

Recommendation: Add 10%-15% to account for product wastage.

Cleaning

- Excess sealant on tools and equipment can be removed with turps.
- Cured sealant can be removed mechanically or with Selleys Sealant Remover.

Paintability

- Selleys® Roof & Gutter Silicone Sealant is not paintable.
- Allow paint to dry for at least 7 days before applying the sealant on top.

Limitations

- Do not apply if the ambient or substrate surface temperature is below +5 °C or above +40 °C
- Do not use for applications exceeding the temperature requirements below -60 °C or above +150 °C
- Not recommended for continuous submersion or below-waterline use.
- The sealant requires atmospheric moisture to cure. On non-porous substrates or in low-humidity conditions, curing speed slows.
- Do not use for structural glazing.
- Avoid contact with materials containing high levels of plasticisers, such as rubber and bituminous substrates.
- **Selleys®** recommends users conduct their own risk assessment before use to determine the product's suitability. A sample should be applied to the intended area to ensure an acceptable appearance, finish, and performance on the surface.

Storage

- Store unopened packaging below 27 °C in a cool, dry place away from direct sunlight.
- Unopened packaging is best used within 12 months from the date of manufacture.
- Opened packaging may skin and form a lump near the opening. Discard any lumps or skin, then use the remaining product.
- Warm the sealant to the recommended application temperature before using or if stored below the recommended storage temperature.

Packaging

Cartridge Size	Available colour	Item Code	Cartridge Size	Available colour	Item Code
300g	Basalt [✦]	104300	300g	Manor Red [✦]	102695
310g	Black	102685	300g	Monument [✦]	102701
300g	Classic Cream [✦]	102692	300g	Paperbark [✦]	102702
300g	Cottage Green [✦]	102696	300g	Shale Grey [✦]	102253
300g	Deep Ocean [✦]	102697	300g	Surfmist [✦]	102703
300g	Dune [✦]	102699	300g	White	102694
300g	Galvanized Grey	102693	300g	Woodland Grey [✦]	102691
310g	Grey	102686	310g	Translucent	102687
300g	Ironstone [✦]	102700	90ml	Translucent	103282

[✦] Colorbond® colour matched

Health and Safety

This information is available in the product Safety Data Sheet (SDS) on our website at www.selleys.com.au. Refer to the product label for full conditions.

*25-Year Guarantee

When used as directed for private use and within 12 months of purchase, this product is guaranteed against crumbling, cracking or peeling away.

If the product does not perform as specified within the relevant warranty period, we will replace the goods free of charge. To make a claim under the warranty, please contact Selleys and provide details of your claim. You must show proof of purchase and bear all expenses incurred in making a claim.

The benefits of this warranty are in addition to rights and remedies under any applicable law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other foreseeable loss or damage.

You are also entitled to have the goods repaired or replaced if they fail to be of acceptable quality, and the failure does not constitute a major failure.

Colorbond® is a registered trademark of BlueScope Steel Limited.

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