

SupaSil™

110 ROOF & GUTTER SILICONE

PRODUCT DESCRIPTION

A premium quality 100% silicone, moisture curing, neutral sealant suitable for roofing applications. It is non-corrosive on metals with very high resistance to UV and weathering so ideal for internal and external applications. It is WaterMark certified so suitable for water potable applications where the cured silicone will be in contact with drinking water. Once cured it is elastic, waterproof and can withstand high joint movement of $\pm 25\%$.

APPLICATIONS

It is ideal for use for roofing, guttering and rainwater tanks for sealing flashings, skylights, cladding, roof tiles, downpipes, ducting, lap joints with superior adhesion to concrete, PVC, metal including Colorbond®, aluminium, zinc, galvanised steel, and most powder coated surfaces (pretest before use).

FEATURES

- **100% silicone, contains no extenders**
- **UV Resistant**
- **Weather Resistant**
- **Highly elastic $\pm 25\%$**
- **WaterMark certified and AS4020 approved for drink water contact**
- **Meets GBCA limits for VOC of max 50g/L**

SURFACE PREPARATION

All surfaces must be clean, dry, sound and free from wax, dust, oil, rust, grease or any other contamination prior to the application of **SupaSil 110**. For best results clean non-porous surfaces prior with IPA or Prosil Cleaner 1.

APPLICATION INSTRUCTIONS

Cut nozzle at 45-degree angle to desired bead width and apply to substrate with sealant gun. Tooling time is 5-10 minutes and tack free time is 1 hour. Use approved backing material for joints over 10mm deep. Clean up uncured silicone with mineral turpentine, if cured remove mechanically.

TYPICAL PROPERTIES

PROPERTY	TYPICAL RESULT
Technology	Neutral (Oxime) 100%
Curing Method	Moisture Curing
SAG/Slump @23°C: JIS A 1439	No Slump (0.1% max)
Shore A Hardness ASTM D2240	17-23
Skin Time 25°C / 50% RH	5-10 mins
Dynamic Joint Movement	$\pm 25\%$
Tensile Strength (MPa) JIS K 6249	1.0
Elongation @ Break JIS K 6249	400%
Cure Rate 10mm 25°C / 50% RH	5-7 Days
Operating Temp Range	-50°C - 180°C
Density (g/cm³)	1.03
VOC Content SCAQMD Method 304-91	31 g/L

Values given in this list should not be used as specifications. All Data based on samples cured for 7 days @23°C and 55% R.H.

JOINT DESIGN

To allow the sealant to perform effectively, the correct joint design requires that the following sealant depth to width ratios be followed:

Rule: Joint widths < 12mm, width to depth ratio is 1:1								
Width	5mm	6mm	7mm	8mm	9mm	10mm	11mm	
Depth	5mm	6mm	7mm	8mm	9mm	10mm	11mm	
Rule: Joint widths < 12mm, width to depth ratio is 2:1								
Width	12mm	14mm	16mm	18mm	20mm	24mm	28mm	32mm
Depth	6mm	7mm	8mm	9mm	10mm	12mm	14mm	16mm

A suitable backer rod (open or closed cell) must be used to ensure that the correct joint depth is achieved.

SupaSil 110 Roof & Gutter Silicone

STORAGE

12 months from date of manufacture if stored below 28°C

Please read the product safety data sheet (SDS) prior to using this product. A copy is available on our website (www.silicone.com.au), or by contacting Admil directly.

LIMITATIONS

- Not suitable for structural glazing
- Not suitable for submerged joints where porous substrates permit water to the bind interface
- Not suitable for aquarium construction
- Should not be applied in contact with bituminous materials or some rubber products as these may contain components which can migrate into the sealant and result in staining or reduced performance.
- Complete painting before applying sealant, as sealant cannot be successfully painted over.

Packaging	Size	Colour
Eco-Snag	400g	Trans, Grey
Cartridge	300ml	Trans, Grey, White, Black, Classic Cream, Woodland Grey

Notice

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product (s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchasers' responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.