



TECHNICAL DATA SHEET

Tradeseal Tile, Stone & Masonry Silicone is an anti-fungal, anti-pick, non-diluted, high performance, multi-purpose, UV-resistant neutral cure 100% silicone sealant. It is designed to be used in all aspects of aesthetic detailing in ceramics. Conforms to AS/NZS4020.

Key Performance Properties:

- Excellent adhesion to various marble, granite
- Suitable for interior and exterior applications
- Unaffected by extreme temperature – hot or cold
- Good adhesion to cured sealants
- Excellent adhesion properties
- Permanently flexible
- Waterproof
- Antifungal
- Anti-pick

Recommended Uses:

Tradeseal Tile, Stone & Masonry Silicone is particularly effective in damp environments like bathrooms, laundries & kitchens, where there's a higher risk of fungal growth. It can be used for sealing areas around shower enclosures, bathtubs, basins, spas, sinks, exhaust fans, window frames (**not paintable**), metal fixtures (including shower frames), ceramic and other tiles (**Natural floor and wall stones must be pre-tested to ensure product does not stain**).

Tradeseal Tile, Stone & Masonry Silicone is specially used for non-structural splicing and butt sealing of glass, aluminium plates, aluminium plastic plates, steel structure main body and other high-rise curtain walls. It can be used for joint sealing between glass, aluminium, steel, concrete, bricks, render, blockwork, precast panels, CFC sheeting, paving, basements, roofing, ceramics, plastics and metal (excluding copper) plates.

Technical Data:

PERFORMANCE		STANDARD	MEASURED VALUE	TESTING METHOD
Slump ability	Horizontal	Nil	Nil	GB/T 14683
	Vertical (mm)	≤ 3	0	GB/T 14683
Extrusion (ml/min)		≥ 50	96	GB/T 13477
Skin Time (h)		< 180	25	GB/T 14683
Shore A Hardness		30 – 45	38 ± 3	GB/T 16776
Thermogravimetry (%)		< 8%	4.30 %	GB/T 13477
Tensile Modulus Mpa		> 0.4	1.15	GB/T 14683
Tensile Strength		> 0.6	3.3	GB/T 14683
Movement Capability (%)		Level 35	Level 35	GB/T 14683
Pollution (mm)		-	-	-





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PROPERTY	VALUE
Curing System:	Neutral Oxime
Cure Time:	3 mm – 1 day
Aging Test:	No cracking No chalking
Sag / Slump:	Nil
Low VOC Compliance:	Yes
VOC Content:	29 g/kg Clear – 34 g/kg
UV & Ozone Resistant:	Yes
Storage:	9 months shelf life after date of production, if stored below 27°C in a cool, dry place

Surface Preparation:

- Ensure the substrate surface is clean and dry, devoid of dirt, grease, oil, flaking paint or water.
- Complete all painting before applying. **Note:** silicone sealant is not paintable.
- To protect surfaces and to ensure a neat job, use masking tape on each side of joint and remove within the working time.
- Insert a backing rod if depth of joint is excessive.

Product Application:

- Carefully cut the tip of the sausage and then trim the nozzle to the required diameter, ideally at an angle between 45° to 60°.
- Insert sausage into caulking gun.
- Apply the sealant in a single bead using a caulking gun.
- For a smooth finish, shape the bead of the sealant with a clean, dry tool while it's still workable and before skin forms.
- If applicable, remove masking tape immediately after tooling is complete.
- Wet sealants can be cleaned up with acetone or mineral spirits.
- Cured sealant can be removed by trimming with a sharp blade.

Health & Safety:

- On contact, uncured sealant may cause irritation.
- Avoid contact with skin and eyes and avoid breathing in vapour.



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- Appropriate safety gear, including protective gloves, clothing, mask and eye protection is advised.
- If skin irritation or rash develops, seek medical advice and attention.
- Contaminated clothing should be removed and washed before reuse.
- Refer to material safety data sheet for more detailed information.
- Keep out of reach of children.

Product Limitations:

- Structural glazing
- Traffic areas subject to abrasion
- Polycarbonate and Polyacrylates
- Paintable applications

Packaging:

- 600ml - Sausage
- Available in cartons of 20

Shelf Life / Storage:

- Store out of direct sunlight and heat.
- Store below 25°C.
- Shelf life is 12 months in unopened container when stored below 25°C.

Notes:

We recommend all applications should be pre-tested to ensure results are to the expectation of the user. Adhesion to the substrate should be tested to ensure adequate adhesion and no staining occurs (particularly with natural stones).

The application, use and processing of our products is the responsibility of the user. Any technical or other advice, information or data provided by us, whether verbally, in writing or by way of trials or test is given without guarantee or warranty. Refer to the Material Safety Data Sheet for information on storage and handling, health and safety and transport.

