

TDS | 2040.1

GLASS & GLAZING 100% SILICONE SEALANT





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ICCONS® Glass & Glazing 100% Silicone is a ultimate one-part, neutral-cure 100% Silicone sealant formulated for glass & glazing applications. It offers outstanding weatherproofing & temperature resistance, providing long-term protection for glass façades, windows & sanitary joints. The sealant has excellent primeless adhesion to most building materials & remains permanently elastic.

FEATURES

- ✓ 100% Silicone
- ✓ UV & Weather Resistant
- ✓ Neutral Cure
- ✓ Non-corrosive
- ✓ Highly Flexible



TYPICAL APPLICATIONS

- Glass & glazing
- Windows & doors
- Facade Systems
- Window & door system joints
- Interior & exterior glass decoration
- Feature panels
- Sealing between PVC, timber & metal profiles
- Solar panel perimeter sealing & junctions

SUBSTRATE

Suitable for building substrates:

- Glass
- Powder coated surfaces
- Glazed & ceramic tiles
- Aluminium
- Timber
- Concrete
- Stainless Steel
- Good adhesion with various porous material

ADVANTAGES

- Rapid curing
- Highly flexible
- Waterproof
- UV-resistant
- Neutral curing
- Low odour
- Permanently elastic
- Excellent adhesion
- Non-slumping

PRODUCT CHARACTERISTICS

COLOUR	Translucent
APPEARANCE	Fine, uniform paste
CURING METHOD	Neutral cure
SERVICE TEMPERATURE	-30°C to +200°C
PRODUCT CODE	FSA-STU300-GS
CARTRIDGE SIZE	300mL

Part No.	Description	Colour	 Qty.	 Qty.
FSA-STU300-GS	300ml Glass & Glazing 100% Silicone Sealant	Translucent	12	1536



TYPICAL PROPERTIES

ITEMS	C*a/T*b/S*c/O*d	UNIT	REQUIREMENT
Appearance		/	Fine, uniform paste
Density		g/cm ³	1.02±0.10
Tack free	///Finger	min	≤15
Sagging		mm	≤1
Hardness, Shore A	7d///	/	20~35
Curing Depth	24h///	mm	≥3.0
	7d///	mm	≥6.0
Elongation at break	7d///	%	≥500
Tensile Strength	7d///	MPa	≥0.7

NOTES:

*a: Conditioning, specimen is conditioned under (23±2)°C, (50±5)% relative humidity if not specified;

*b: Testing Condition, specimen is tested at (23±2) °C, (50±5)% relative humidity if not specified;

*c: Substrate

*d: Others need to be specified.

DIRECTIONS FOR USE

APPLICATION TEMPERATURE: +5°C to +45°C

Use only in well-ventilated areas. May cause an allergic skin reaction.

1. Prepare the surface by ensuring it is clean, dry, & free from dust or contaminants.
2. Cut the nozzle at a 45° angle & insert the cartridge into a caulking gun.
3. Hold the gun at a 45° angle & apply an even bead of sealant.
4. Tool & smooth the sealant before it begins to skin.

Note: Skin formation occurs within 5-10 minutes. Full cure of 8mm depth is reached in approximately 7 days. Uncured product may be cleaned using a suitable solvent.

RESTRICTIONS FOR USE

- Do not apply to substrates where the surface temperature exceeds +50°C or when the ambient temperature is below 5°C.
- Do not apply to surfaces that come into direct contact with food.
- Do not use for structural glazing applications.
- Do not apply to any surfaces that bleed oil, plasticizers, or solvents—such as oil-soaked wood, oil-based crack fillers, or certain uncured or sulfur-cured materials—or to wet surfaces.

Note: Glass and Glazing 100% silicone sealant cannot be painted.

SAFETY DIRECTIONS

Keep out of reach of children. Before operation, please carefully read the specifications of products and material, and instructions on the package of container. For more information about safety, please refer to the SDS.

SHELF LIFE

12 months when stored in original, unopened packaging. Keep out of direct sunlight & store in cool, well-ventilated environment between +5°C to +25°C.

DISCLAIMER

The details provided in this Technical Data Sheet (TDS) are based on ICCONS' knowledge at the time of publication. No warranty is given regarding specific product characteristics, and this document shall not be interpreted as forming a legally enforceable contract. It is supplied for guidance only concerning product selection, safe handling, application, storage, transportation, and disposal.

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