



Sealants and Adhesives

# 70

## Technical Data Sheet

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### Product Description

SILTECH 70 Structural Glazing Sealant is a one-part neutral curing silicone sealant designed specifically for structural bonding applications for glass and aluminium in factory or field applications. SILTECH 70 is resistant to UV radiation, moisture, extreme temperature fluctuations and tensile compressive stresses. Suitable for use on most construction materials and will not corrode metal or other corrosion-sensitive material. SILTECH 70 has excellent mechanical properties.

### Applications

Properties	Unit	Value
Colour	Visual	Black
Specific gravity	g/cm <sup>3</sup>	1.34
Hardness	Shore A	49
Extrusion Rate	ml/min	2.3
Tensile strength	mPa	1-1.2
Tack Free time	Min	40
Slumpability vertical	mm	No change in shape
Slumpability horizontal	mm	0
Elongation at break	%	200

\* Values listed are indicative and should not be used as specifications

### Please Note

- Actual drying times depends on wind, humidity, temperature and film thickness
- High humidity or low temperature and heavy films extend drying times
- To determine if primer is required, sample should be tested
- Primer selection is dependent on substrate

### Properties

- Neutral cure, suitable for use on most construction materials and will not corrode metal or other corrosion-sensitive material.
- Excellent mechanical properties.
- Outstanding weatherproofing ability, resisting to ultraviolet ray (UV), ozone and temperature extremes.

## Applications

- For structural bonding and protective glazing.
- Facades and cladding, curtain walls.
- Surface like glass, aluminium, ceramics, steel, tiles, concrete, precast panel and other common building materials.

## Application Guideline

To achieve good adhesion to the desired substrate, it is recommended that it is dry, clean, grease and dust free. It is recommended to use a solvent such as MEK or Acetone to clean surfaces before application of the sealant. It is important to check the compatibility of the solvent with the area being cleaned. Detergent or soap and water treatments are not recommended. For better appearance it is particularly recommended to cover the outside of the joint areas with masking tape before application. Tool immediately after sealant application and remove masking tape before sealant skins. Incompatibility of glazing materials can lead to sealant discoloration and/or loss of adhesion. If there is any uncertainty regarding the application, adhesion tests should be carried out.

## Limitations

SILTECH 70 is not recommended:

- For continuous immersion in water
- For use of fireproofing seal system
- For use in food contact applications
- For use on painted surfaces

SILTECH 70 should not be applied or used:

- On excessively basic or acidic substrates
- Do not use for confined space or surfaces that requires post finishes or painting.

## Storage

SILTECH 70 Structural Glazing Sealant should be stored in a cool dry place between 15°C - 30°C. Shelf life is 12 months if stored in original sealed container. Keep out of reach of children.

## Handling Safety and Storage

SILTECH 70 Structural Glazing Sealant material safety data sheets are available on request. Uncured product may cause irritation to eyes, skin and respiratory system. Should there be contact with eyes, flush with water immediately and seek medical attention. Avoid oral contact. Use only in well-ventilated areas.

## Packaging

SILTECH 70 Structural Glazing Sealant is available in 300ml cartridges. 600ml sausages

## Legal Disclaimer

Each user bears the full responsibility for making its own determination as to the suitability of supplier material, products, services, recommendations or advice for its own particular purposes. Each user must perform a test to determine whether analysis is sufficient to assure that the product will be safe and suitable for use under end-use conditions. Because actual use of products by the user is beyond the control of supplier, such use is within the exclusive responsibility of the user, and supplier cannot be held responsible for any loss incurred through incorrect or faulty use of the products. Further, no statement contained herein concerning a possible or suggested use of any material, product, service or design is intended or should be construed to grant any license under any patent or other intellectual property right of Supplier or any of its subsidiaries or affiliated companies, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.