

## Technical Data Sheet

# Selleys Silicone Sealant

Update

2014

### DESCRIPTION

**SELLEYS SILICONE SEALANT** is an acetic acid curing, one part silicone sealant. It has excellent adhesion to many household materials forming a permanently flexible waterproof seal.

### SIZE AVAILABLE

Available in a 75g tubes.

### USES

Superior adhesion is achieved on glass, aluminium, stainless steel, most plastics, rubber, wood, canvas, ceramics and glass like surfaces.

### TECHNICAL FEATURES

- Excellent adhesion to glass, metals, timber, ceramic materials.
- Forms a durable seal.
- Does not shrink when drying.
- UV resistant.
- Remains flexible - will not shrink, crack, crumble or dry out.
- Weather resistant.

### LIMITATIONS

- Cannot be painted over.
- Not recommended for below waterline applications, except for glass aquariums.
- Will not adhere to concrete, cement products and oily woods (ie. Cyprus, Teak, Red Cedar, Rosewood, Ebony).
- Will not adhere to zinc or copper containing metals, marble, limestone or lead.

### TECHNICAL DETAILS

<b>Consistency (as applied)</b>	Non-slump, solvent free paste
<b>Curing Mechanism</b>	Very rapidly develops rubber consistency by reaction with moisture from the air
<b>Curing Rate</b>	2mm depth per day
<b>Skin Forming Time</b>	5-10 minutes (depending on weather conditions)
<b>Elongation</b>	Approx. 400% (ASTM D412)
<b>Service Temperature</b>	-60°C to +150°C
<b>Joint Movement Capability</b>	±25% of original joint width when applied in properly designed joint*

\*Properly designed joint refers to the accepted concept of correct sealant dimensions, ie. sealant depth equal to half sealant width and sealant applied over a suitable backing material to which the sealant will not adhere or which does not limit the free movement of the sealant.

### HOW TO USE

1. All surfaces must be clean, dry and free from soap, dirt, dust, oil and loose rust. Clean surfaces with mineral turpentine and wipe dry with a clean rag before applying sealant.
2. Pierce seal on tube with reverse end of cap.
3. Cut nozzle to desired opening with a sharp blade; apply nozzle to tube.
4. For smooth seal, hold at slight angle and push sealant ahead of nozzle into joint, ensuring that it touches both surfaces.
5. For a smooth finish, tool with a spatula dipped in mild detergent.
6. Excess sealant must be cleaned up before the sealant skins in 5-10 minutes. Wipe excess away with a cloth dampened in mineral turpentine.
7. Sealant will cure fully in 24 hours (based on thickness of 3 mm). At this point any unneeded sealant can be removed by trimming with a sharp blade, but avoid under-cutting the seal.

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### For Aquariums

Allow to fully cure for 7 days. Prior to usage, thoroughly wash out with water, drain and refill before introducing fish. Suitable for construction and repairing small aquariums. Specialist design is required for large tanks. Contact Selleys if unsure.

Note: During application a harmless vinegar odour is generated but this disappears as sealant cures.

### **CLEAN UP**

Clean all excess sealant from equipment before it cures with a cloth dampened with mineral turpentine or acetone.

Once cured sealant is extremely difficult to remove and must be sanded or trimmed with a knife.

### **HANDY HINTS**

- For a cleaner appearance mask both sides of joint prior to sealing. Remove tape before silicone skins.
- For a better finish complete painting prior to use of sealant as it cannot be painted over.
- For a smooth finish use a spatula dipped in detergent solution.

### **WARNINGS/FIRST AID**

Avoid contact with the skin and eyes when uncured. In case of contact with eyes, flush with water for at least 15 minutes and seek medical attention. Wash exposed skin with detergent and water.

Avoid breathing vapour. Use in a well ventilated area as this product releases Acetic acid while curing.

### **SHIPPING/STORAGE/DANGEROUS GOODS INFORMATION**

#### **Storage**

Store in a cool dry place.

#### **Transport**

Not restricted.