

Silicone 401

Acetic cure silicone sealant

Description

Selleys Silicone 401 is a multipurpose acetic cure silicone sealant suitable for most indoor and outdoor applications. It is clear in colour and available in a 300ml cartridge.

Uses

- Suitable for form in place gaskets
- Adhesive and sealing applications

Features/Advantages

- Excellent UV and weather resistance
- Good chemical resistance to most organic and inorganic chemical, solvents and oils
- Adheres well to most substrates including metals, glass, ceramic, rubber and timber.
- Good electrical insulation properties
- Non-slumping.

Instructions for Use/Application Instructions

The following should only be used as a guide and the installer should apply all Australian Standards, BCA/NZBC requirements, and best practices when installing.

- Surfaces to be sealed must be clean, dry and free from dust, grease and flaking paint. If necessary clean with degreasing solvent such as mineral turps.
- Cut nozzle supplied at an angle and to the required opening. Cut end off nipple on cartridge, fit nozzle and insert in suitable caulking gun.
- Apply sealant in a continuous steady flow through the line of fasteners. Push sealant ahead of nozzle keeping sealant within the overlap.
- Assemble and fasten joints as soon as practical. Avoid trapping air. Avoid squeeze out of sealant on to surfaces that are to be painted. Most paints will not adhere to this sealant.
- Remove excess sealant immediately with a cloth dampened in mineral turpentine. Cured sealant can be trimmed with a sharp blade. Avoid undercutting the seal.

Technical Data/Properties

Contact Selleys before using this data for the setting of specifications.

Property	Typical Result
Colour	Clear
Density	1.04
Technology	Silicone
Shelf Life	24 months
Skin time	10 mins
Joint Movement Capability	+/-25%
Shore A Hardness	25
Elongation at break (ASTM D412)	400%
Service Temperature	-60°C - +205°C
VOC	20g/L

Electrical and Thermal Properties

Property	Typical Result
Dielectric Strength	21kv/mm
Dielectric constant	2.6-2.8 @ 50Hz to 5MHz
Dissipation Factor Tan	20x10 ⁻⁴ to 5x10 ⁻⁴ @ 50Hz-5MHz
Volume Resistivity	1x10 ¹³ (wet 60 ⁰ C) ohm-cm 1x10 ¹⁴ (dry 23 ⁰ C) ohm-cm
Brittle Point	-60 ⁰ C
Continuous max temp	205 ⁰ C
Intermittent max temp	206 ⁰ C

Important Notes/Limitations

- Not to be stored or applied below 5⁰C
- Not recommended as a plug or caulk for burst pipes or rusted guttering.
- Paints will not adhere to this sealant.
- Not recommended for use with petrol, distillate and some other hydrocarbon solvents. These can cause softening and swelling which is undesirable in some applications.
- Chemical compatibility should be tested for each application under consideration.

Storage

Store unopened cartridges below 30⁰C in a cool dry place away from direct sunlight. Unopened cartridges can be stored for 24 months from the date of manufacture. Opened cartridges may skin and form a lump near the opening. Discard any lumps or skin and remaining product can be used.

Safety

Not classified as hazardous

Wear gloves and safety glasses when using.

Not classified as Dangerous Goods

Refer to Safety Data Sheet for more detailed information.

Clean up

Spills and tools can be cleaned up with Mineral Turps.

Disclaimer

All information contained in this Product Information Sheet is as accurate and up-to-date as possible. Products can be expected to perform as indicated in this Sheet, so long as application procedures are followed as recommended. Notwithstanding the above, any recommendations made by Selleys or its distributors in relation to this or other products is to be taken as advice only. Selleys makes no representations or warranties that this product will be suitable for use. Subject to any applicable legislation which cannot be excluded (such as the Australian Consumer Law), Selleys takes no responsibility and will not be liable for any failure in performance of this product or any losses, damages, or injuries (consequential or otherwise) arising from the storage, mixing, application or other use of this product or for any representations made by you about the product which have not been approved in writing by Selleys. The buyer assumes all risk and responsibility for the use of this product.

© 2013 **Selleys** Pty Limited

Selleys – a division of DuluxGroup Australia Pty Ltd

1 Gow Street, Padstow, NSW 2211

1300 555 205 (Australia)

0800 735 539 (New Zealand)