

# PENTENS 603 Silicone

Acetic Cure Silicone Sealant

## Product Data Sheet

### Description

PENTENS 603 Silicon Sealant is one part acetoxy cure, widely used for glazing and selling and weatherproofing in all building, modular house, freight container, roofing and clading joint. Excellent adhesion to glass, aluminium, ceramic. Painted surface, most metals, most plastics. Tack free time is within 5-6 minutes at 20C. Refer to a test report for specific gravity, weight loss on heating and tensile stress by JIS A 5758.

can be used to meet a variety of sealing needs. It cure's to silicone rubber and adheres to glass, wood, metal, porcelain, ceramic, painted surfaces, and rubber.

### Uses

#### Interior or Exterior

- Floor and wall cracks,
- Door
- bath tubs
- windows
- Tile
- Stop leakage.

#### Bold

- Glass
- Wood
- Metal
- Rubber and more.

### Advantages

- High durability
- Excellent resistant to chemicals
- Easy application.
- Excellent weathering
- Non staining
- Excellent acoustic ratings
- Can be over paint

### Technical & Physical Data

Foam	Liquid
Colour	Transparent, Black, White, Grey, Brown. (other colour made to order)
Hardness (ASTM D-2240)	29
Peel Strength (ASTM C 794)	22 ppi
Tensile Strength (ASTM C 412)	310 psi
Dynamic Joint Movement (Continuous extension & compression 1/8" per hour)	> 25%
Minimum Joint Dimensions (Width * Depth)	1/4" * 1/4"
Maximum Joint Dimensions (Width * Depth)	1" * 3/8"
Cure Time 3/8" depth @ 75F & 50%R.H.)	1 days
Tack-free Time (Fed.Spec.TT-S-001543A)	< 1 hour
Tooling Time (75F @ 50%R.H.)	5 - 6 minutes
Shelf Life & Storage Condition	Have a shelf lift of 1 year at dry and cool place
Slump / Sag	0.05"
Application Temperature Range	-39C - +62C
Performance Range	-65C - +207C
Packaging	300ml

### Chemical Resistant

ACIDS	Citric Acid 10%	Excellent
	Tartaric Acid 10%	Excellent
	Acetic Acid 5%	Excellent
	Hydrochloric Acid 25%	Excellent
	Sulphuric Acid 50%	Excellent
	Nitric Acid 25%	Very Good
ALKALI	Fuel / Petrol	Excellent
	Sugar Solution	Excellent
	Lactic Acid 10%	Excellent

Disclaimer. All representations and recommendations set forth are given in good faith and to the best of our knowledge. However due to varying conditions and applications, the buyer shall conduct its own tests of this product before use. Under no circumstances will the manufacturer be liable for any loss or damages caused by incorrect usages. The sale of this product shall be on terms and conditions set forth on Pentens order acknowledgement.

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### Important Notes

1. In case of contact immediately flush eyes with water for 15 minutes. Call physician. Material releases acetic acid during cure. Use with adequate ventilation.
2. Apply only to clean, surfaces should be free of surface water and leaks.

### Instruction for Use

#### Surface Preparation

1. Clean and dry surface. Remove any stains and impurities.
2. Cut cartridge tip, screw on nozzle, cut nozzle to desired opening at 45° C angle.
3. Apply sealant with caulk gun.
4. Tooling must be completed in 5 minutes. Remove excess silicone with dry paper towel.
5. Normally sealant skins in 5 minutes, dries to touch in 1 hour, and cure and bones in 24 hours.

### Storage and Shelf Life

When stored in original unopened containers at or below at 80F (27°C), and above freezing, **PENTENS silicone sealant** has a shelf life of 12 months from date of shipment. Containers should always be kept sealed when not in use. If entire contents are not used, extrude 3/8" of material past nozzle opening. When ready to use, pull out cured plug. Remaining sealant is ready to use.

### Cleaning

Tools and equipment just can be clean with thinner immediately after use.

### Safety

Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin clearer followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.