

# PENTENS 605 Silicone

Neutral Cure Silicone Sealant

## Product Data Sheet

### Description

**PENTENS 605** neutral cure silicone sealant widely used for glazing, sealing and weatherproofing in all buildings, modular houses, freight containers, roofing and cladding joints. Excellent adhesion to glass, aluminium, ceramics, painted surface, most metals and most plastics. Tack free time is within 20 min at 20C. Refer to a test report for specific gravity, weight loss on heating and tensile stress by JLS A 5758.

### Uses

For sealing joints in building and civil engineering structures particularly on porous or alkaline surface in joints where substantial repetitive movements occurs.

- Between lightweight building components
- GRP panels, plastic roof sheets
- UPVC window and door frames
- Roof, glazing & cladding joints Adheres to glasses
- Ceramics, masonry, metal and most painted surfaces.
- Meter Room.

### Advantages

- One part, ready to use
- Excellent adhesive properties
- NEUTRAL cure system – appropriate for concrete surface
- Outstanding weatherability
- Accommodates high and low temperature range

### Technical & Physical Data

(21 days @ 20°C and 60% R.H.)

Foam	Thixotropic paste
Colour	Transparent, Black, White, Grey, Brown. (other colour made to order)
Hardness (JIS K 6301)	27
Peel Strength [TT-S-001543A(COM-NBS)]	3kgf/cm <sup>2</sup>
Tensile Strength (JIS K 6301)	18kgf / cm <sup>2</sup>
Dynamic Joint Movement (Cycled at 15mm/minute)	20%
Movement	20% butt joints
Accommodation factor (MAF)	40% lap joints All other colours- 50% butt joints 100% lap joints
Cure rate at 20°C, 65% R.H.	96 hours to 5 mm depth°
Tack-free Time	10min
Tooling Time (23°C & 50%R.H.)	5 – 6 minutes
Specific Gravity (JISA5758)20°C	1.05
Skinning time at 20°C	30 to 45 minutes
Application Temperature Range	5-50°C
Extrudability (JISA578)sec	5
Packaging	300ml/cartridge 25 cartridge/carton

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.