

PENTENS 603 SILICONE

Acetic Cure Silicone Sealant

Product Data Sheet

Description

PENTENS 603 SILICONE is a general purpose acetoxy silicone sealant formulated for general purpose glazing and sealing applications where long term reliability is required. It will bond to form a durable, flexible, waterproof seal on many common wet area building materials.

Uses

Interior or exterior

- Floor and wall cracks
- Doors
- Bath tubs
- Windows
- Tiles
- Leakages
- Glasses
- Woods
- Rubbers and more

Advantages

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

Technical & Physical Data

Form	Paste
Color	Transparent, Black, White, Grey, Brown etc.
Hardness (Shore A) (ASTM C661)	>10
Elongation (ASTM D412)	>340%
Tensile Strength (ASTM D412)	>0.5N/mm ²
Cure Time	1 day
Tack-free Time (at 25°C & 50% R.H.)	5~15 minutes
Application Temperature	-20°C to 62°C
Service Temperature	> 150°C
Shelf Life	12 months
Storage	30°C stored in original unopened containers
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
ALKALIS	Fuel / Petrol	Excellent
	Sugar Solution	Excellent
	Lactic Acid 10%	Excellent

Important Notes

1. If contact with eyes occurs, rinse the eyes with a lot of water for 15 minutes and seek medical advice. The material releases acetic acid during curing process, so ensure adequate ventilation when using it.
2. Apply only to clean surfaces which are free from surface water and leakages.

Instruction for Use

Surface Preparation

1. Substrate surfaces must be dry and clean, free from dirt, grease, oil or standing water.
2. Use the two-cloth method to clean if surface is dirty.
3. For a neat finishing, use masking tapes and remove them within the working time.

Application

1. Cut the cartridge tip carefully.
2. Cut the nozzle into an appropriate diameter at an angle of approximately 45°.
3. Use a caulking gun and extrude the sealant into a single bead.
4. Tool the sealant bead with a clean and dry tool within the working time for a smooth finishing.

Joint Design

The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated of the joint expansion and contraction.

Generally the width of the sealant bead should be computed on the basis of a maximum $\pm 20\%$ movement capability. Minimum bead size should not be less than 6 mm to accommodate movement. The width-to-depth ratio for sealant joint should be 2:1.

Cleaning

Tools and equipment can be easily cleaned 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, rinse 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 cleanser followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.