

PENTENS 607 SILICONE

Acrylic Cure Silicone Sealant

Product Data Sheet

Description

PENTENS 607 is a white acrylic based gap filler in paste form for application from a cartridge. It is very quick and easy to apply and can be finished or smoothed off with a spatula or a damp sponge. It sets quickly on application and can be applied over paint or wallpaper.

The inherent flexibility of PENTENS 607 will accommodate the small structural movements between finishes which would otherwise result in recurrent unsightly cracks.

Typical examples of this are gaps between skirting, window and door frames, fitted furniture units and ceiling cornices and adjacent plasterwork. Where replacement windows are installed, PENTENS 607 can be used to make good between new frames and interior plasterwork.

PENTENS 607 can be used to meet a variety of sealing needs. It cures to silicone rubber and adheres to glass, wood, metal, porcelain, ceramic, painted surfaces and rubber.

Uses

Interior or exterior

- Wall/ceiling angles, cornices
- Door and window frames
- Fitted furniture
- Skirtings
- Staircases
- Replacement window installations

Advantages

- Easy to apply.
- Excellent adhesion to most building materials.
- Fast-setting.
- Flexible seal.
- Non staining.
- Can be over paint or paper.

Technical & Physical Data

Form	Paste
Colour	White
Flash Point	Not applicable
Solids Content	Min 80%
Density at 25°C	1.72 kg/litre
Skinning Time	16 minutes at 24°C and 50% R.H.
Cure Rate 20°C @65% RH	2 weeks for total cure of 10mm bead
Hardness (Shore A)	50-55 Shore
Consistency	Thixotropic
Shelf Life & Storage Condition	1 year at dry and cool place
Application Temperature Range	-22°C to 77°C
Packaging	450g /cartridge 25 cartridge /carton

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.
4. For sealant designs with depths of over 10 mm, use approved backing materials.

PENTENS 607 adheres to most materials common in the building industry including concrete, brickwork, plaster, joints around door and window, wood, plastics and glazed tiles. No priming is required.

Application

1. Surfaces must be clean, dry and free from dirt, grease, oil or water.
2. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
3. For a neat finish, apply masking tape and remove it before sealant skins over.
4. Cut nozzle at 45° angle to from the desired bead-width and apply to substrate with cartridge gun.
5. Tool the sealant within 5 minutes of extrusion before it skins. Tack-free in 15 minutes.
6. Allow to dry for one hour before applying water-based paint and 24 hours for oil-based paint.
7. Uncured sealant can be cleaned up with damp cloth.

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 expansion and contraction of the joint.

Minimum bead size should not be less than 3 mm to accommodate movement. The width-to-depth ratio for sealant joint should be 2:1.

Limitations

Not recommended for the following applications:

- Below waterline or permanent water immersion.
- Traffic areas subject to abrasion.
- Joint movement of more than 10%.
- Outdoor if it is expected to rain within two hours of sealant application.

Cleaning

Wet sealants can be cleaned up with acetone or mineral spirits. Cured sealants can only be removed mechanically.

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.

PENTENS

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