



# SILICONE SEALANT TECHNICAL DATA SHEET



SEALANTS

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## DESCRIPTION

**CFC TOOLS® GP SILICONE SEALANT** is a cost effective one component acetic sealant that vulcanises on exposure to moisture in the air to form a flexible seal. General purpose silicone sealant is easy to apply and offers excellent adhesion to glazed ceramic tiles, glass, aluminum, etc. It has excellent resistance to ozone, UV and extreme temperatures.

## FEATURES

- Excellent adhesion, bonds to many substrates without priming
- Fast Cure - Move assembled or sealed parts quickly
- Superior gunning & tooling
- Contains anti-microbial additive for mold resistance
- Resistant to UV, ozone, and temperature extremes

## APPLICATIONS

- Sealing and glazing of windows, doors and skylights
- Conventional glazing and storefronts
- HVAC, plumbing, roofing
- Sealing trucks, trailers and RVs
- Marine applications
- Assembly applications



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## LIMITATIONS

- Not suitable for alkaline substrates such as concrete, fibrous cement, asbestos, plaster and marble.
- Not suitable for some metals such as mild steel, lead, copper, tin, galvanized iron, brass and zinc.
- Not suitable for mirror.
- Not suitable for natural stones.
- Not suitable for some plastics such as polyethylene, polypropylene and Teflon.

## COLOURS

Transparent, white, black, grey, brown, black

## PACKAGING INFORMATION

Size: 320 ml

Type: Cartridge

Pieces/carton: 24



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## SPECIFICATION

Curing System:	Acetoxo
Appearance:	Non-sagging Paste
Odour:	Astringent
Specific Gravity:	0.947 g/cm <sup>3</sup>
Shore Hardness:	11.8
Tensile Strength:	0.54 (MPa)
Skin-over Time:	9 - 11 minutes (25°C, 50% RH)
Tack Free Time:	26 minutes Approx (25°C, 50% RH)
Curing Rate (5mm):	12 Hours (25°C, 50% RH)
Application Temperature:	5°C to 40°C
Service Temperature:	-50°C to 100°C
Shelf Life:	12 Months when sealed and stored below 25°C



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## DIRECTION FOR USE

- 1 Press down on the gun's release tab** and pull the pressure valve. This is the long, metal plunger in the back, usually underneath the release tab. This will allow you to load the tube of silicone sealant.
- 2 Insert the tube of silicone into the gun.** Insert it at an angle, base first, and then push it up into the gun. The nozzle of the silicone tube should be sticking out of the opposite end from the release tab and pressure tab
- 3 Adjust the trigger** so that it is calibrated with the size of your tube. To do this, squeeze the trigger slowly and gently until the mechanism touches the silicone tube. You will then be able to lock the silicone tube firmly in place.
- 4 Prepare the surface you wish to seal.** Before you apply silicone sealant, make sure that the surface is completely free of any dust, dirt, or particles. Any bits of matter can potentially cause a weaker seal. To prepare your surface:
  - Soak a sponge in soapy water and wipe down your surface.
  - Rinse out your sponge and use it again to wipe down the area.
  - Dry off the area with a towel. Be sure to remove all water completely, as any moisture can cause problems.
- 5 Cut a hole in the silicone tube.** Snip the tube at a 45 degree angle, and as close to the tip as possible. This will ensure that the hole is very small, making it easier for you to control the flow of sealant.
  - You can use either scissors or a utility knife to cut the sealant tube.
- 6 Test your silicone on a piece of scrap material.** If the sealant is not flowing to your liking, snip a little bit more off the tube. Gradually cut small bits off until the sealant is flowing at the desired pace.



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**7 Apply the sealant to your surface.** Squeeze the trigger as evenly and steadily as possible. Drag the tube nozzle slowly along the seam of your project.

- Spread the sealant evenly. Wet your finger and have a container of water nearby. Use your finger to spread the sealant evenly. Keep getting your finger wet as you work.
- You can also spread the sealant by pressing a piece of masking tape down onto the bead line. Then, pull the tape away before the silicone gets tacky. This should give you a smooth, straight line exactly where you want it to go.

**8 Allow the sealant to dry.** While most silicon sealants will feel dry to the touch within 30 minutes to an hour, this does not mean the seal is ready.

- Wait at least 24 hours for the seal to dry before using your project.
- You can try using a fan or a blow dryer on low heat to help the silicone a little faster, but it will still need time to cure.