

Silicone Sealant Tubes and Guns

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Adhesives & Tapes



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Silicone sealant forms flexible, waterproof seals around baths, showers, windows, joints and models, dispensed from cartridges with a sealant gun. Neutral-cure silicones are safe next to electronics and acrylic, acid-cure is for general work.

Key Features

- Acid and neutral cure formulations
- Waterproof and flexible seals
- Cartridge sizes 310 ml standard
- Sealant guns with drip-free action
- Colour options: clear, white, black

Typical Uses in the Workshop

- Seal joints and gaps against water
- Bed baths, basins and windows
- Waterproof model and project builds
- Seal electronics enclosures (neutral cure)

Safe Operation

1. Cut the nozzle at an angle
2. Pierce the cartridge seal and load the gun
3. Apply a continuous bead along the joint
4. Tool the bead with a wet finger or tool
5. Leave the seal to cure before testing

SAFETY NOTES

- Acid-cure silicone releases acetic fumes - ventilate
- Neutral-cure is needed near electronics and acrylic
- Wear gloves - sealant sticks to skin strongly
- Keep away from eyes - wash if it splashes
- Store sealed and cool

Maintenance & Consumables

- Seal cartridges with tape between uses
- Keep nozzles clean
- Store guns with the plunger retracted
- Check the date and cure
- Keep isopropyl handy for cleanup

Specification & Buying Notes

Stock neutral-cure silicone for electronics and acrylic, acid-cure for general sealing. A smooth-rod drip-free gun applies neat beads. Buy in the colours used on projects.