

Conformal Coating Spray for Electronics Protection

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Electronics & Prototyping

Conformal coating is a thin protective spray applied over finished PCBs that insulates and seals against moisture, dust and corrosion while leaving the circuit repairable. Finished student boards last longer and survive the field.

Key Features

- Acrylic, silicone and polyurethane types
- Aerosol spray application
- Thin insulating films
- UV or clear finishes
- Removable for repair

Typical Uses in the Workshop

- Protect completed circuits from moisture
- Seal sensors and outdoor electronics
- Insulate dense solder joints
- Extend the life of student boards

Safe Operation

1. Clean and dry the board first
2. Mask connectors and switches
3. Spray in light even coats
4. Allow full cure between coats
5. Touch up after repair work

SAFETY NOTES

- Spray in a ventilated area - solvent vapours
- Keep away from flames and ignition
- Wear gloves and a mask
- Do not spray near sensitive optics
- Dispose of aerosols properly

Maintenance & Consumables

- Shake the can well before spraying
- Clear the nozzle after use
- Store aerosols upright away from heat
- Check the shelf life
- Keep masking tape with the spray

Specification & Buying Notes

Acrylic conformal coating suits school use - it is easy to remove for repairs. Quality sprays cure clear and flexible. Buy with solvent remover and masking tape.