

Copper Foil Tape with Conductive Adhesive

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



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Copper foil tape with conductive adhesive provides an instant conductive surface and shield: it repairs broken PCB traces, shields cables, builds capacitive sensors, connects glass with conductive windows and seals faraday cages.

Key Features

- Widths 5-50 mm
- Conductive acrylic adhesive
- Thickness around 0.1 mm
- Solderable surface
- Tear by hand

Typical Uses in the Workshop

- Repair cracked PCB traces
- Shield cables and enclosures
- Build touch and capacitive sensors
- Conductive paths in crafts and models

Safe Operation

1. Clean the surface and peel the liner
2. Press the tape down firmly
3. Burnish the seam for the adhesive bond
4. Solder through the tape where needed
5. Overlap for continuous paths

SAFETY NOTES

- Copper edges are sharp - handle carefully
- Do not use tape on live circuits it can short
- Keep away from water in operation
- Check the adhesive conductivity path
- Store rolled sealed

Maintenance & Consumables

- Keep rolls dry
- Check the adhesive grip
- Reseal exposed rolls
- Store away from chemicals
- Replace oxidized tape

Specification & Buying Notes

Conductive-adhesive copper tape in a couple of widths covers repairs and sensor projects. Quality tape conducts through the adhesive; cheap tape needs scraping.