

Polyurethane Construction Adhesives

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

Polyurethane construction adhesive expands as it cures, gripping wood, concrete, metal and foam with a flexible, waterproof, gap-filling bond. Cartridge and tube forms serve construction, insulation and repair jobs a regular glue cannot hold.

Key Features

- Gap-filling expanding foam action
- Waterproof and flexible bonds
- Wood to concrete and metal bonding
- Cartridge and squeeze tube formats
- Working times of 10-20 minutes

Typical Uses in the Workshop

- Bond framing, sheathing and paneling
- Fix insulation board and trim
- Glue construction joints permanently
- Repair outdoor and damp repairs

Safe Operation

1. Clean and dry the surfaces
2. Dispense the adhesive in beads or zigzag
3. Allow the open time before assembly
4. Press and support the parts
5. Clean fresh adhesive with the right solvent

SAFETY NOTES

- Expanding foam bonds skin - wear gloves
- Work in a ventilated area - vapour irritates
- Check flammability while wet
- Keep off painted surfaces you intend to finish
- Store sealed and upright

Maintenance & Consumables

- Keep cartridges sealed with the nozzle removed
- Check the date codes
- Store above freezing
- Clean the gun after use
- Dispose of partially used cartridges

Specification & Buying Notes

Choose polyurethane adhesive in cartridges for big jobs and tubes for application with a gun. Match the working time to the assembly speed of the task.