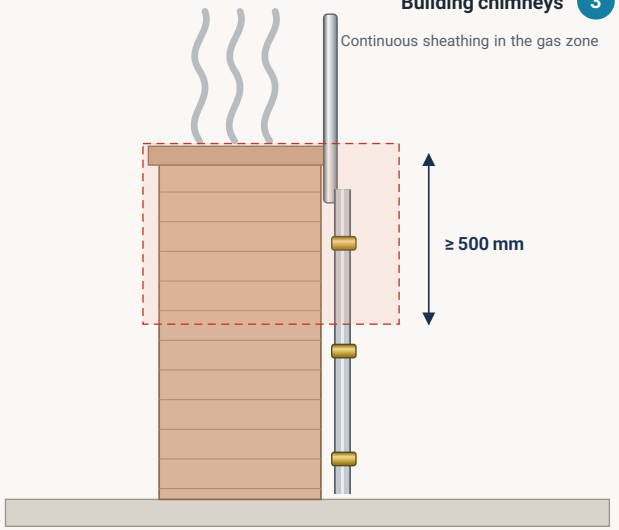
Where to use tinned tape?

Connection to galvanised structures in air, the rainwater rule and the flue gas zone

TIN-PLATED COPPER TAPE · TPBT 203–305

KALOT GROUP · TECHNICAL ILLUSTRATION · NOT TO SCALE

Building chimneys 3



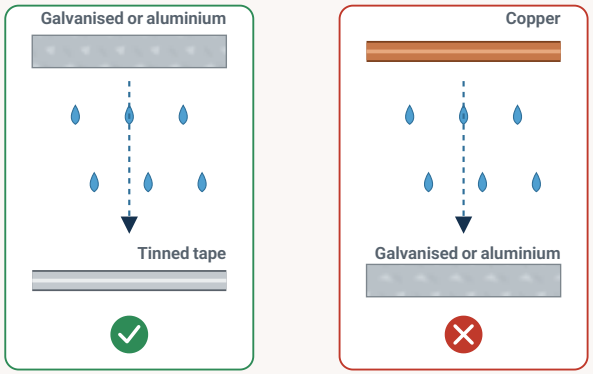
A conductor exposed to flue gas needs continuous sheathing; AS/NZS 1768 calls for this sheathing to extend at least 500 mm below the top of the chimney.

Do not scrape the tin coating at clamps and joints.

For industrial chimneys and highly corrosive gases, the design sets the conductor material.

Copper below galvanised steel and aluminium 2

Rainwater rule



Galvanised above, tape below

Copper above galvanised

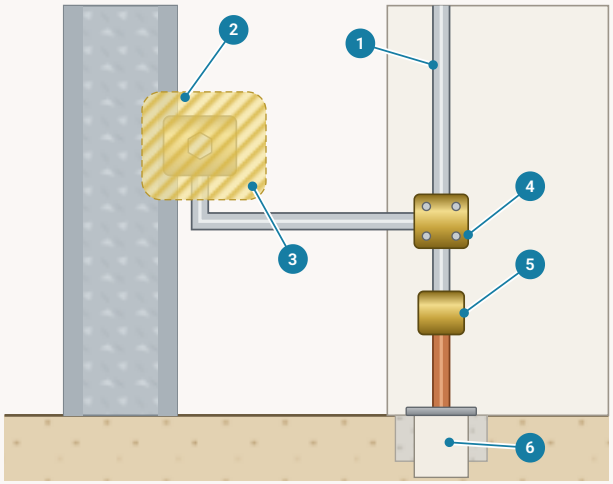
Water running over copper deposits copper particles on galvanised and aluminium surfaces and corrodes them.

Run copper or tinned tape below any galvanised or aluminium part; the rule also applies to aluminium sheeting and gutters.

The cut end and bolt holes of tinned tape are bare copper; the tin coating does not lift this rule.

Connection to a galvanised steel structure 1

In air and above ground level



1. Tinned copper tape
2. Brass bonding clamp on a galvanised column flange
3. Anti-corrosion coating on the joint and cut end
4. Square four-way clamp on the down conductor
5. Test joint, above ground level
6. Below the test joint: plain copper conductor down to the earth pit

- Tinned tape + galvanised structure in air, with anti-corrosion coating on the joint ✓
- Copper or tinned tape above a galvanised or aluminium part ✗
- Tinned tape + copper, tinned copper and brass ✓
- Copper or tinned tape + galvanised steel in soil ✗

The schematic is illustrative and not to scale.

We keep improving our products; please confirm final dimensions with our experts.

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