

PROPERTY SERVICE MATERIALS AND PRODUCTS

The installation, replacement of, or any maintenance to a private property service in Hunter Water's area of operations shall comply with the following:

1. MATERIALS:

Hunter Water recognises the following property service materials – minimum pressure rating 1500kpa :

- **20mm to 50mm Property Services**
 - Copper Type A or B
 - Poly Ethylene
 - not to be used as part of the water meter assembly or riser, 300mm copper horizontal tail required.
 - services that cross roads to be located in a UPVC conduit.
 - services to be backfilled with clean sand and trace wire installed above.

- **>50mm Property Services**
 - Copper Type A or B
 - Poly Ethylene – Individual Hunter Water approval required prior to installation.
 - not to be used as part of the water meter assembly or riser, 300mm copper horizontal tail required.
 - services that cross roads to be located in a UPVC conduit.
 - service jointing to be approved electro-fusion butt or fitting.
 - service to be backfilled with clean sand and trace wire installed above.
 - UPVC (Blue Brute)
 - not to be used as part of the water meter assembly or riser, 300mm copper horizontal tail required.
 - services to be backfilled with clean sand and trace wire installed above.
 - Stainless Steel (Grade 316)
 - Ductile Iron (DICT)

- Property services are to comply with AS/NZS3500: Plumbing and Drainage requirements:
 - Section 2.2 - Materials Authorisation
 - Section 2.3 – Selection and use of materials and products
 - Section 2.4.2 – Metallic Pipes and Fittings (a), (b), (d) & (e)
 - Section 2.4.3 – Plastic Pipes and Fittings (b)

2. INSTALLATION:

- Property services are to comply with AS/NZS3500: Plumbing and Drainage requirements:
 - Section 5.2 – Electrical Safety Precautions and Earthing
 - Section 5.3 - Proximity to Other Services
 - Section 5.4.1, 5.4.2 (a), (b) & (c), 5.4.3 (a) (b) & (f) – Isolating Valves
 - Section 5.9 – Anchorage Below Ground
 - Section 5.10 – Depth of Cover
 - Section 5.12 – Bedding and Backfill
 - Section 5.13 – Contaminated Areas
 - Section 5.14 – Corrosive Areas
 - Section 5.15 – Water Charged or Filled Ground
 - Section 5.16 – Open Channels or Watercourses
 - Section 5.17 – Private Easements
 - Section 5.18 – Dry Services
 - Section 5.19.1 & 5.19.2 – Protection Against Freezing
 - AS 1345: Pipe Work Identification

3. **JOINTING:**

- Property services are to comply with AS/NZS3500: Plumbing and Drainage requirements:
 - Section 5.6.1 – General (Exception to (g) – Minimum copper pipe thickness Type B)
 - Section 5.6.2 - Threading
 - Section 5.6.3 – Bolted Gland and Gibault Type Joints
 - Section 5.6.4 – Capillary Fitting
 - Section 5.6.6 – Flanged Joints
 - Section 5.6.8 – Silver Brazing
 - Section 5.6.11 – Stainless Steel Pipe and Fittings

Note: Soft solder is not an approved jointing method on new property service installation or property service repairs.

Hunter Water's requirements for the installation of property water services are not limited to the listing above, and may also require compliance with any Australian or International Standard pertaining to the property service works.