



**Dŵr Cymru Welsh Water's
Self-lay Policy for Water Mains and Services
July 2017**

Introduction

This Self-Lay Policy applies when a developer decides to “self-lay” water mains and services (ie. construct water mains itself or appoint a Self-Lay Provider (“SLP”) to do so on its behalf).

In relation to the self-lay of water mains, Dŵr Cymru Welsh Water adopts the Code of Practice for the Self-Laying of Water Mains and Services – England and Wales Edition 3.1 - May 2017

This Policy is to be read in conjunction with the following industry-wide materials:

- The Self-Lay Code of Practice National Addendum for the Safe Control of Routine Mains Connections, 2nd Edition, which is available from selflay.wrcplc.co.uk, plus any other national addenda which may be produced;
- The Water Industry Act 1991 as amended by the Water Act 2003 and Water Act 2014; the Highways Act 1980; the New Roads & Street Works Act 1991 and all other applicable legislation, all as may be amended from time to time; and
- Civil Engineering Specification for the water Industry (CESWI) 7th edition.

This Policy is also to be read in conjunction with the following Welsh Water materials:

- Dŵr Cymru Welsh Water’s Guidance on how to apply to Self-lay Water Mains and Services;
- Dŵr Cymru Welsh Water’s Policy on Security Requirements in relation to Self-lay and Requisition; and
- Interim draft self-lay agreement.

This Policy, together with other Welsh Water related materials, is available on our website.

If you have any queries relating to self-laying of water mains or services, please contact us on 0800 9172652 or email us at new.connections@dwrwymru.com stating ‘Self-Lay enquiry’.

Welsh Water's materials' specifications

All material used on self-lay schemes must meet Welsh Water's specifications as detailed below:

- All pipes must be delivered and stored with end caps; and
- All MDPE fittings must be delivered and stored in plastic heat sealed bags

Mains on non-contaminated sites	All pipes to be DWI regulation 31a approved Mains 90mm and above to be HPPE (PE100) 90mm to 225mm and 225mm and above to be at the appropriate pressure for the network application. All pipes must be marked with PN code and SDR on the pipe
Mains on contaminated site	Mains up to 180mm shall be in barrier pipe Mains 225mm and above can be barrier if available or Ductile Iron compliant with BS EN 545 1995 and WIS 4-41-01, the minimum external corrosion protection shall be zinc coated with epoxy to BS EN 545, and all ductile pipes and fittings shall be internally lined.
Services on non-contaminated sites	Services up to and including 63mm to be MDPE (PE80)
Services on contaminated site	Either barrier pipe (preferred) or plastic coated underground copper (BS EN 1057/1996)
Electro fusion couplings for mains	To be HPPE (PE100) and can be blue or black in colour, all electro fusion fittings to incorporate fusion indicators.
Electro fusion tapping saddles for MDPE / HPPE mains	To be self tapping and of under-clamp bottom loading design, all electro fusion fittings to incorporate fusion indicators No gunmetal tapping saddles to be used on MDPE / HPPE mains.
Tapping saddles for ductile iron, cast iron, UPVC, and asbestos mains	All tapping saddles to be made to BS 1400 LG2 C 2789 grade 500/7, and are capable of withstanding pressures of 16 bar.
Valves	Compliant with BS EN 5163, internal and external protection to be blue fusion bonded epoxy powder coating. All valves to be right hand (clockwise) close, unless marked otherwise on the design drawing.
Fire Hydrants	Compliant with BS750. All hydrants to have a gunmetal or epoxy coated stainless steel outlet. The hydrant shall have an automatic frost valve, no water shall escape during operation and the body shall fully drain afterwards. All hydrants to be of a fixed jumper design