



BRISTOL
WATER

Bristol Water Self-Lay Materials List

Version 10

Bristol Water will only allow self-laid mains and services to be connected to our network if they have been installed using materials which conform to the standard we require. A wide range of materials will be accepted, the following is a list of just some of them. SLP's wishing to use items not on this list must submit the full details of the fitting (manufacturer, model, and full technical specification) to allow us to verify the item is acceptable. The process can take up to 3 months. Any request should be sent to Selflay@bristolwater.co.uk

This list only covers self-laid pipework and fittings that are to be transferred into Bristol Water ownership. Pipework and fittings that will belong to the property owner need only to be approved by WRAS.

December 2025

bristolwater.co.uk



BRISTOL WATER SELF-LAY MATERIALS LIST

ITEM	MANUFACTURER	SIZES	DESCRIPTION
STANDARD PE PIPE	GPS/RADIUS	25MM – 63MM	PE 80 SDR 11 MDPE (COILS & LENGTHS)
STANDARD PE PIPE	GPS/RADIUS	90MM – 250MM	PE 100 SDR 17 HPPE (COILS & LENGTHS)
BARRIER PIPE	GPS/RADIUS	25MM – 63MM	PE 80 SDR 11 BARRIER MDPE (COILS & LENGTHS)
BARRIER PIPE	GPS/RADIUS	90MM – 250MM	PE 100 SDR 17 BARRIER HPPE (COILS & LENGTHS)
PE PUPPED FLANGE (600MM)	GPS/RADIUS	63MM	PE80 SDR 11 HPPE (RILSAN COATED BACKING PLATE)
PE PUPPED FLANGE (600MM)	GPS/RADIUS	90MM – 250MM	PE 100 SDR 11 HPPE (RILSAN COATED BACKING PLATE)
PE PUPP FLANGE (600MM)	GPS/RADIUS	90MM – 250MM	PE 100 SDR 17 HPPE (RILSAN COATED BACKING PLATE)
PE PUPPED FLANGED TEE	GPS/WOLSELEY	90MM – 250MM	SDR 11 (RILSAN COATED BACKING PLATE, VARIOUS SIZES)
E/F FLANGED BRANCH TEE	GPS/WOLSELEY	90MM – 250MM	SDR 11 (RILSAN COATED BACKING PLATE, VARIOUS SIZES)
E/F EQUAL REDUCING TEE	GPS/RADIUS/PLOSSON	63MM – 180MM	PE 100 (BLACK) PLAIN END, VARIOUS OUTLETS
E/F EQUAL TEE	GPS/RADIUS/PLOSSON	63MM – 180MM	PLAIN END BLACK 16 BAR
E/F STRAIGHT COUPLINGS	GPS/RADIUS/PLOSSON	25MM – 250MM	HPPE 16 BAR (BLACK)
E/F ELBOWS	GPS/RADIUS/PLOSSON	25MM – 32MM	HPPE 16 BAR (BLACK) 45° & 90°
E/F ELBOWS	GPS/RADIUS/PLOSSON	63MM – 250MM	HPPE 16 BAR (BLACK) 22.5°, 45° & 90°
E/F REDUCING COUPLINGS	GPS/RADIUS/PLOSSON	32MM – 250MM	PE100 (BLACK) VARIOUS SIZES
E/F CAP ENDS	GPS/RADIUS/PLOSSON	25MM – 250MM	PE100 BLACK
HYDRANT TEE KIT	RADIUS/WOLSELEY	90MM – 180MM	ELECTROFUSION T, COUPLING, PUPP & JOINT SET
E/F DUCKFOOT BEND KITS	GPS/RADIUS	63MM – 180MM	C/W BEND, SPIGOT REDUCER, PUPP FLANGE & JOINT SET
SLUICE VALVES	SAINT GOBAIN	80MM – 250MM	SOFT FACED NP16, CAP TOP CLOSE CLOCKWISE
HYDRANTS	AVK	80MM	SQAT TYPE, CLOSE CLOCKWISE BLACK CAP
DOUBLE FLANGE PIPE	ELECTROSTEEL	80MM – 250MM	EN 545 FLANGES NP16 BLUE EPOXY COATED
FLANGED TAPERS	ELECTROSTEEL	VARIOUS SIZES	EN 545 FLANGES NP16 BLUE EPOXY COATED
ALL FLANGED TEE	ELECTROSTEEL	80MM – 250MM	EN 545 FLANGES NP16 BLUE EPOXY COATED
ALL FLANGED REDUCING TEE	ELECTROSTEEL	VARIOUS SIZES	EN 545 FLANGES NP16 BLUE EPOXY COATED
FLANGED DUCKFOOT BEND	ELECTROSTEEL	VARIOUS SIZES	EN 545 FLANGES NP16 BLUE EPOXY COATED
BARRIER MECHANICAL TEE	GPS/RADIUS/PLOSSON	25MM – 63MM	MECHANICAL COMPRESSION
GUNMETAL THREADED TEE	WATERFIT	½" – 2"	BSP TAPERED THREAD
GUNMETAL SOCKETS	WATERFIT	½" – 2"	BSP TAPERED THREAD
GUNMETAL THREADED ELBOWS	WATERFIT	½" – 2"	BSP TAPERED THREAD
GUNMETAL BLANKING PLUGS	WATERFIT	½" – 2"	BSP TAPERED THREAD



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ITEM	MANUFACTURER	SIZES	DESCRIPTION
E/F TAPPING SADDLES	GPS/RADIUS/PLASSON	63MM – 250MM	PE 100 BLACK (OUTLETS 25MM, 32MM & 63MM)
BARRIER PIPE FERRULE STRAP	GPS/RADIUS	63MM – 250MM	GUNMETAL FERRULE WITH OUTLETS 25MM & 32MM
BARRIER PIPE FERRULE STRAP	GPS	90MM – 250MM	GUNMETAL FERRULE WITH 63MM OFF TAKE
MATRIX PE BOUNDARY BOX	TALIS	25MM & 32MM	TALBOT PUSHFIT INLET AND OUTLETS
UNSEALED EBCO	TALIS	25MM & ¾"	C/W RIGID TUBE AND FULL METAL COVER
SEALED EBCO (BARRIER)	TALIS	¾"	TELESCOPIC TUBE C/W (CLASS B LID)
MATRIX TWIN BOUNDARY BOX	TALIS	1 IN AND 2 OUT	1 x 32MM INLET AND 2 x 25MM OUTLETS (CLASS B LID)
PE MANIFOLD BOUNDARY BOX	TALIS	63MM INLET	OPTION FOR 4 OR 6 x 25MM OUTLETS
BARRIER MANIFOLD	TALIS	1.5" INLET	OPTIONS FOR 4 OR 6 x ¾" OUTLETS (REQUIRES CHAMBER)
GUNMETAL INTERNAL MANIFOLD	TALIS	1.5" INLET	OPTIONS FOR 4 OR 6 x ¾" OUTLETS (REQUIRES BRACKETS)
PE INTERNAL MANIFOLD	PLASSON	1.5" INLET	OPTIONS FOR 4 OR 6 x 25MM SPIGOT OUTLETS (REQUIRES BRACKETS)
CHAMBER SECTIONS	PDS	VARIOUS SIZES	SUITABLE FOR HIGHWAY USE UP TO CLASS D400
CHAMBER COVERS	SAINT GOBAIN	380MM x 230MM	GRADE A D400 LID BADGED S/V, F/H OR W/O
CHAMBER COVERS	SAINT GOBAIN	150MM x 150MM	GRADE A D400 LID 225MM COVER BADGED S/V
CHAMBER COVERS	SAINT GOBAIN	600MM x 450MM	D400 OPTEMAX TWIN HINGED LID
CHAMBER COVERS	SAINT GOBAIN	900MM x 600MM	D400 OPTEMAX TRIPLE HINGED LID
KETTLER TELESCOPIC SPINDLES	KETTLER	VARIOUS SIZES	TO SUIT VALVE SIZE, REQUIRES BASE AND COVER
WARNING MESH MARKER TAPE	FIBERWEB	N/A	'WATER PIPE BELOW' 100MTR ROLL C/W INTEGRAL WIRE
BLUE 'TRACER' WIRE	FIBERWEB	N/A	1.5MM BLUE WIRE REQUIRED ON ALL SERVICE PIPES
ALUMINIUM FOIL WRAP	GPS/RS COMPONENTS	50MM & 100MM	75 MICRON WRAPPING TAPE (CONTAMINATED LAND)
PETROLEUM JOINT WRAP TAPE	WINN & COATES LTD	100MM & 300MM	(NON-PETROLEUM VERSIONS AVAILABLE)
JOINT SETS	AVON GROUP	VARIOUS SIZES	FULL FACED EPDM GASKET AND RILSAN COATED BOLTS, WASHERS AND NUTS
GASKETS/JOINT RINGS	AVON GROUP	VARIOUS SIZES	3MM THICK, 80 SHORE HARDNESS & FULL FACED
SMALL WATER METERS	ELSTER	15MM & 20MM	CLASS 'D' V210 (NO ALTERNATIVES)
RF INTERNAL METERS	ITRON	15MM	AQUADIS+ DN15 MANIFOLD METER C/W RADIO UNIT
MEDIUM IN LINE WATER METERS	ELSTER	25MM & 40MM	(SUPPLIED BY BW AT SLP COST)
PRV'S	CLA-VAL	50MM – 150MM	(SUPPLIED BY BW AT SLP COST)