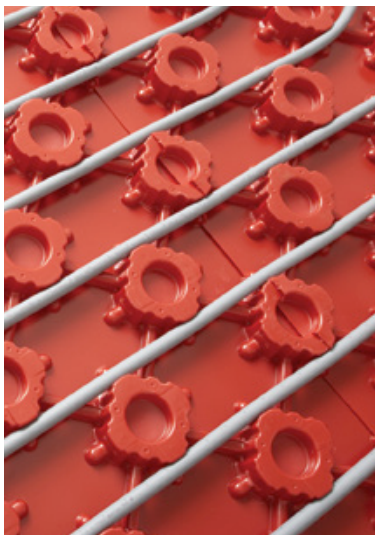


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Polypipe Plumbing & Heating



Product Guide for International Markets

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Plumbing & Heating

Product Guide for International Markets

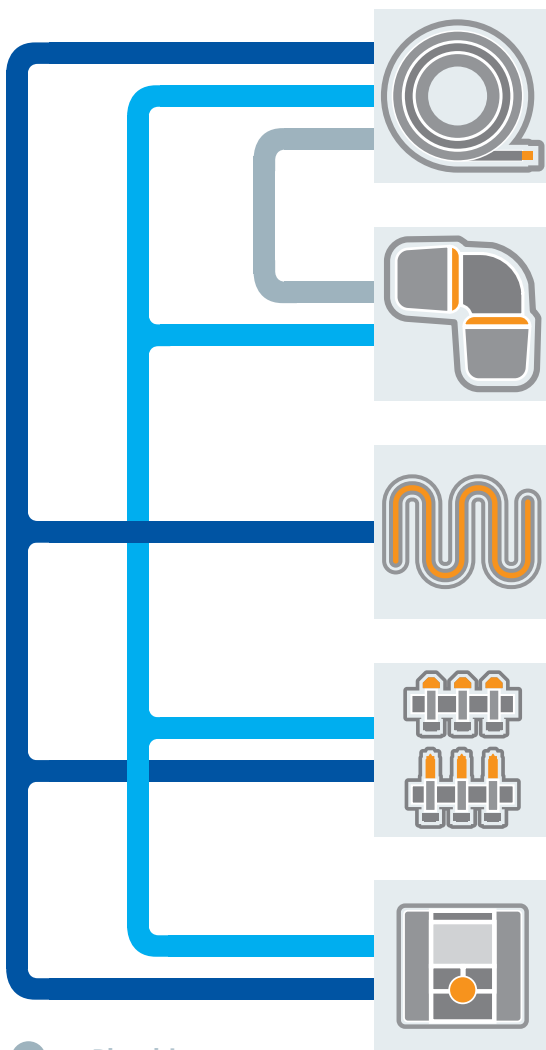
Welcome to the Polypipe Plumbing and Heating Systems Product Guide for International Markets. This handy pocket guide combines all of our plumbing and heating related products into one single catalogue of product information. Alongside all of our best known product ranges, you will also find several exciting new additions, continuing our reputation for product innovation and great value. Together they make Polypipe the most comprehensive range of plumbing and heating systems available from a single UK manufacturer.

Be sure to check out these great new products:

Page 10	Underfloor Heating Pipe	Ultra flexible pipe for underfloor heating applications
Page 11	MCP Pipe	Formable metal composite pipe for underfloor heating applications
Page 28	PolyMax	Streamline push fit plumbing: ideal for surface mounted applications
Page 30	Sealed Stiffeners	Sealed stiffeners for use with PolyFit and PolyMax plumbing systems
Page 53	Solid Floor UFH Staple System	Now available to be installed in the 'iconic' red floor plate, clip rails or newly added staple system
Page 57	FFB Double Heat Spreader Plates	Double heat spreader plates now available in fit from below format
Page 63	Overlay™ Lite 15	A new version of Overlay™ with 15mm pipes: ideal for larger floor areas
Page 68	Zonal Regulation Unit (ZRU)	New unit designed to require less space and provides simple room addition for underfloor heating. This unit perfectly compliments our Overlay™ range

For the latest product and support information, literature downloads, product selectors and news visit us online at **www.polypipe.com/plumbing-heating**.

If you have any questions, please email **international@polypipe.com**



- Plumbing
- Heating
- Underfloor Heating System

Plumbing & Heating Applications

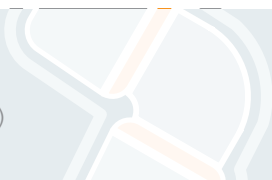
PIPE SYSTEMS

(For Plumbing, Heating and Underfloor Heating)



FITTING SYSTEMS

(For Plumbing and Heating)

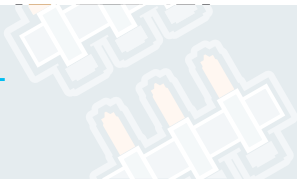


UNDERFLOOR HEATING SYSTEMS



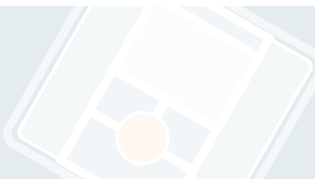
MANIFOLDS & WATER TEMPERATURE CONTROL

(Underfloor and Central Heating System)



ROOM TEMPERATURE CONTROLS

(Underfloor and Central Heating System)





Plumbing & Heating Pipes

At the heart of the Polypipe Plumbing and Heating Systems product offer is our commitment to polybutylene pipe.

We choose polybutylene to create the most flexible and efficient pipes and jointing systems available. Polybutylene pipe is ideal for both domestic hot and cold water plumbing and heating systems, offering exceptional durability and long-term performance, which has seen it become the preferred material choice for today's building projects.

The most important characteristic of polybutylene is its natural flexibility, allowing you to bend the pipe into even the tightest of spaces. Polybutylene is the most malleable plastic used in the manufacture of piping systems.

Another key advantage of polybutylene pipe is that it is extremely lightweight, particularly when compared with copper piping systems. For example, 15mm copper tube will weigh approximately 0.28kg/m, compared to just 0.074kg/m for polybutylene. This significant weight reduction is invaluable when transporting materials to site.

Polybutylene pipe has good resistance to freezing temperatures, maintaining long-term durability in heating and water applications. This, combined with the pipe's elasticity, means that if water is subjected to freezing temperatures, a burst pipe is less likely.


Our plumbing systems also give improved performance over rigid pipe systems in terms of low noise transmission and low water hammer effect.

Underfloor heating pipe systems


We have supplemented our pipe offer with two ranges of underfloor specific pipe. Our ultra flexible underfloor heating pipe aids installation and handleability whilst our formable MCP pipes provide alternative for installers familiar with this pipe characteristic.

Polypipe Grey Plumbing, Heating and Underfloor Heating Pipe - BS 7291 Class S


Barrier Polybutylene Pipe Cut Length (Grey)	Pack Qty.	Code No.
15mm x 3 metre Barrier	10	PB315B
15mm x 6 metre Barrier	10	PB615B
22mm x 3 metre Barrier	10	PB322B
22mm x 6 metre Barrier	10	PB622B
28mm x 3 metre Barrier	10	PB328B
28mm x 6 metre Barrier	10	PB628B




Barrier Polybutylene Pipe Coil (Grey)	Pack Qty.	Code No.
10mm x 50 metre Barrier	1	PB5010B
10mm x 100 metre Barrier	1	PB10010B
15mm x 25 metre Barrier	1	PB2515B
15mm x 50 metre Barrier	1	PB5015B
15mm x 80 metre Barrier	1	PB8015B
15mm x 100 metre Barrier	1	PB10015B
15mm x 120 metre Barrier	1	PB12015B
15mm x 150 metre Barrier	1	PB15015B
22mm x 25 metre Barrier	1	PB2522B
22mm x 50 metre Barrier	1	PB5022B
28mm x 25 metre Barrier	1	PB2528B
28mm x 50 metre Barrier	1	PB5028B



Standard Polybutylene Pipe Cut Length (Grey)	Pack Qty.	Code No.
15mm x 3 metre Standard	10	PB315
15mm x 6 metre Standard	10	PB615
22mm x 3 metre Standard	10	PB322
22mm x 6 metre Standard	10	PB622
28mm x 3 metre Standard	10	PB328
28mm x 6 metre Standard	10	PB628




Standard Polybutylene Pipe Coil (Grey)	Pack Qty.	Code No.
10mm x 50 metre Standard	1	PB5010
10mm x 100 metre Standard	1	PB10010
15mm x 25 metre Standard	1	PB2515
15mm x 50 metre Standard	1	PB5015
15mm x 100 metre Standard	1	PB10015
22mm x 25 metre Standard	1	PB2522
22mm x 50 metre Standard	1	PB5022




Polypipe White Plumbing, Heating and Underfloor Heating Pipe - BS 7291 Class S

Barrier Polybutylene Pipe Cut Length (White)	Pack Qty.	Code No.
15mm x 2 metre Barrier	10	FIT215B
15mm x 3 metre Barrier	10	FIT315B
15mm x 6 metre Barrier	10	FIT615B
22mm x 2 metre Barrier	10	FIT222B
22mm x 3 metre Barrier	10	FIT322B
22mm x 6 metre Barrier	10	FIT622B
28mm x 3 metre Barrier	10	FIT328B
28mm x 6 metre Barrier	10	FIT628B




Barrier Polybutylene Pipe Coil (White)	Pack Qty.	Code No.
10mm x 25 metre Barrier	1	FIT2510B
10mm x 50 metre Barrier	1	FIT5010B
10mm x 100 metre Barrier	1	FIT10010B
15mm x 25 metre Barrier	1	FIT2515B
15mm x 50 metre Barrier	1	FIT5015B
15mm x 100 metre Barrier	1	FIT10015B
15mm x 120 metre Barrier	1	FIT12015B
15mm x 150 metre Barrier	1	FIT15015B
22mm x 25 metre Barrier	1	FIT2522B
22mm x 50 metre Barrier	1	FIT5022B
28mm x 25 metre Barrier	1	FIT2528B
28mm x 50 metre Barrier	1	FIT5028B




Polypipe Grey Plumbing, Heating and Underfloor Heating Pipe - BS 7291 Class 5

Barrier Polybutylene Pipe Coil (Grey)	Pack Qty.	Code No.
15mm x 50 metre Barrier	1	PB5015B
15mm x 80 metre Barrier	1	PB8015B
15mm x 100 metre Barrier	1	PB10015B
15mm x 120 metre Barrier	1	PB12015B
15mm x 150 metre Barrier	1	PB15015B




Polypipe Ultra Flexible Underfloor Heating Pipe (For Underfloor Heating Use Only) - EN15876

Underfloor Heating Pipe Polybutylene	Pack Qty.	Code No.
12mm x 25m Coil UFH Pipe	1	UFH2512B
12mm x 50m Coil UFH Pipe	1	UFH5012B
12mm x 80m Coil UFH Pipe	1	UFH8012B
15mm x 50m Coil UFH Pipe	1	UFH5015B
15mm x 80m Coil UFH Pipe	1	UFH8015B
15mm x 100m Coil UFH Pipe	1	UFH10015B
15mm x 120m Coil UFH Pipe	1	UFH12015B
15mm x 150m Coil UFH Pipe	1	UFH15015B
18mm x 120m Coil UFH Pipe	1	UFH12018B
18mm x 200m Coil UFH Pipe	1	UFH20018B
18mm x 300m Coil UFH Pipe	1	UFH30018B




Polypipe MCP Underfloor Heating Pipe (For Underfloor Heating Use Only) - EN21003

Metal Composite Pipe	Pack Qty.	Code No.
16mm x 80m Coil MCP UFH Pipe	1	MCP8016B
16mm x 100m Coil MCP UFH Pipe	1	MCP10016B
16mm x 120m Coil MCP UFH Pipe	1	MCP12016B
16mm x 150m Coil MCP UFH Pipe	1	MCP15016B



Pipe in Pipe and Conduit Pipe

Barrier Pipe-in-Pipe Coil (Grey)	Pack Qty.	Code No.
10mm x 50 metre Pipe in Pipe	1	PIP5010B
15mm x 25 metre Pipe in Pipe	1	PIP2515B
15mm x 50 metre Pipe in Pipe	1	PIP5015B
22mm x 25 metre Pipe in Pipe	1	PIP2522B



Conduit Polypropylene Pipe Coil	Pack Qty.	Code No.
15mm x 25 metre (Black)	1	CPC1525
15mm x 50 metre (Black)	1	CPC1550
22mm x 25 metre (Black)	1	CPC2225
22mm x 50 metre (Black)	1	CPC2250
15mm x 25 metre (Red)	1	CPC1525R
15mm x 50 metre (Red)	1	CPC1550R
22mm x 25 metre (Red)	1	CPC2225R
22mm x 50 metre (Red)	1	CPC2250R
15mm x 25 metre (Blue)	1	CPC1525BU
15mm x 50 metre (Blue)	1	CPC1550BU
22mm x 25 metre (Blue)	1	CPC2225BU
22mm x 50 metre (Blue)	1	CPC2250BU





Plumbing & Heating Fittings

Polypipe recognises that no two jobs are the same and has developed an application-based range of plumbing solutions with four fittings ranges, backed by a range of pipe options.

Plumbing fitting ranges:

PolyPlumb Traditional push fit plumbing

Original robust, grey system, suitable for a range of applications

PolyMax Streamline push fit plumbing

Slim and sleek, ideal for surface mounted applications

PolyFit Quickfix push fit plumbing

Hand demountable, ideal for first fix applications

PolySure Permanent press fit plumbing

Slim profile fittings, ideal when security is paramount

Each range is available in a wide selection of fitting types plus valves, connectors, brassware and accessories. Combine with the appropriate selection from our comprehensive range of piping systems.

Find out more about Polypipe plumbing at www.polypipe.com/plumbing-heating

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PolyPlumb



PolyPlumb


Traditional push fit plumbing

PolyPlumb is our original, tried and tested, grey plumbing system. Robust and reliable, PolyPlumb has stood the test of time.


PolyPlumb fittings feature a one step jointing process and a high performance stainless steel grab ring within the fitting, ensuring superb joint integrity. Use PolyPlumb with Polypipe grey polybutylene flexible pipe, or you can combine PolyPlumb fittings and copper pipe. We recommend the use of a Polypipe metal or plastic pipe stiffener when used with plastic pipe.

PolyPlumb is suitable for use in most plumbing and heating installations including hot and cold water and underfloor heating applications.


Straight Coupler	Pack Qty.	Code No.
10mm	10	PB010
15mm	10	PB015
22mm	10	PB022
28mm	5	PB028



Socket Reducer	Pack Qty.	Code No.
15mm x 10mm	10	PB1815
22mm x 15mm (not suitable for use with compression fittings)	10	PB1822
28mm x 22mm (not suitable for use with compression fittings)	5	PB1828




Spigot Reducer	Pack Qty.	Code No.
15mm x 10mm	5	PB815
22mm x 15mm (22mm end not suitable for use with compression fittings)	5	PB822
28mm x 22mm (not suitable for use with compression fittings)	5	PB828




Reducing Coupling	Pack Qty.	Code No.
22mm x 10mm	5	PB582210




Elbow	Pack Qty.	Code No.
10mm	10	PB110
15mm	10	PB115
22mm	10	PB122
28mm	5	PB128





Spigot Elbow	Pack Qty.	Code No.
10mm	10	PB1010
10mm x 15mm	10	PB101510
15mm	10	PB1015
22mm (not suitable for use with compression fittings)	10	PB1022





Equal Tee	Pack Qty.	Code No.
10mm	10	PB210
15mm	10	PB215
22mm	10	PB222
28mm	5	PB228





End Reduced Tee	Pack Qty.	Code No.	
15mm x 10mm x 15mm	5	PB1415	
22mm x 15mm x 22mm	5	PB1422	
28mm x 22mm x 28mm	5	PB1428	


Branch Reduced Tee	Pack Qty.	Code No.	
15mm x 15mm x 10mm	5	PB1115	
22mm x 22mm x 10mm	5	PB112210	
22mm x 22mm x 15mm	5	PB1122	
28mm x 28mm x 22mm	5	PB1128	

Two Ends Reduced Tee	Pack Qty.	Code No.	
15mm x 15mm x 22mm	5	PB1622	


Branch and One End Reduced Tee	Pack Qty.	Code No.	
15mm x 10mm x 10mm	5	PB1515	
22mm x 15mm x 15mm	5	PB1522	
28mm x 22mm x 22mm	5	PB1528	

Branch Reduced Spigot Tee	Pack Qty.	Code No.	
15mm x 15mm x 10mm	5	PB1215	
22mm x 22mm x 15mm (not suitable for use with compression fittings)	5	PB1222	


Spigot Blank Ends	Pack Qty.	Code No.	
10mm	10	PB910	
15mm	10	PB915	
22mm (not suitable for use with compression fittings)	10	PB922	
28mm (not suitable for use with compression fittings)	5	PB928	

Socket Blank Ends	Pack Qty.	Code No.	
10mm	10	PB1910	
15mm	10	PB1915	
22mm	10	PB1922	
28mm	5	PB1928	

Demountable Socket Blank Ends	Pack Qty.	Code No.
10mm	10	PB6910
15mm	10	PB6915
22mm	10	PB6922
28mm	5	PB6928




Straight Tap Connector (Brass Connecting Nut)	Pack Qty.	Code No.
15mm x 1/2" (1)	10	PB715
15mm x 3/4" (2)	5	PB71534
22mm x 3/4" (2)	5	PB722



(1) Complete with E.P.D.M. Sealing Washer. Spare flat seal included
(tighten by hand plus a further 1/4 of a turn with a spanner)


(2) Complete with fibre sealing washer
(tighten by hand plus a further 1/6 of a turn with a spanner)

Hand Tighten Tap Connector (Not suitable for central heating)	Pack Qty.	Code No.
15mm x 1/2"	10	PB2715
15mm x 3/4"	5	PB271534
22mm x 3/4"	5	PB2722




Complete with E.P.D.M. Sealing Washer

Bent Tap Connector (Brass Connecting Nut)	Pack Qty.	Code No.
15mm x 1/2"	10	PB1715




Complete with E.P.D.M. Sealing Washer. Spare flat seal included
(tighten by hand plus a further 1/4 of a turn with a spanner)

Flexible Hose Tap Connector (Not suitable for central heating)	Pack Qty.	Code No.
10mm x 1/2"	2	PB681012
15mm x 1/2"	2	PB6815
15mm x 3/4"	2	PB681534
22mm x 3/4"	2	PB6822





Tank Connector (Cold water only)	Pack Qty.	Code No.
15mm x 1/2"	10	PB3815
22mm x 3/4"	10	PB3822
28mm x 1"	5	PB3828





Complete with E.P.D.M. Sealing Washer (tighten by hand)


Wall Plate Elbow (Cold water only) (Use PTFE tape to seal threads)	Pack Qty.	Code No.
15mm x 1/2"	5	PB5315
22mm x 1/2"	5	PB532212
22mm x 3/4"	5	PB5322





Wall Plate Elbow (Brass) (Use PTFE tape to seal threads)	Pack Qty.	Code No.	
15mm x 1/2"	5	PB1315	
22mm x 1/2"	5	PB132212	
28mm x 1/2"	5	PB132812	


Wall Plate Tee (Brass) (Use PTFE tape to seal threads)	Pack Qty.	Code No.	
15mm x 1/2"	5	PB5115	
22mm x 1/2"	5	PB512212	


Female Elbow (Brass) (Use PTFE tape to seal threads)	Pack Qty.	Code No.	
15mm x 1/2"	5	PB3015	
22mm x 1/2"	5	PB302212	
22mm x 3/4"	5	PB3022	


Female Tee (Brass) (Use PTFE tape to seal threads)	Pack Qty.	Code No.	
15mm x 1/2"	5	PB2915	
22mm x 1/2"	5	PB292212	


Conduit Terminal Box	Pack Qty.	Code No.	
Includes 15mm x 1/2" Wall Plate Elbow	2	PB4515	


Polybutylene Double Sided Manifold (Grey) (Use Ball Valve to convert to Valved Manifold)	Pack Qty.	Code No.	
22mm x 10mm - 2 Port (Socket/Socket)	5	PB2822	
22mm x 10mm - 4 Port (Socket/Socket)	5	PB4822	
22mm x 10mm - 4 Port (Socket/Spigot)	5	PB4922	


Polybutylene Single Sided Manifold (Grey) (Use Ball Valve to convert to Valved Manifold)	Pack Qty.	Code No.	
22mm x 15mm - 3 Port (Socket/Socket)	1	PB7322153	
22mm x 15mm - 3 Port (Socket/Spigot)	1	PB7622153	
22mm x 10mm - 4 Port (Socket/Socket)	1	PB7322104	
22mm x 10mm - 4 Port (Socket/Spigot)	1	PB7622104	


Brass Single Sided Manifold Unvalved (Brass) <small>(Use PTFE tape to seal threads)</small>	Pack Qty.	Code No.	
15mm x 3/4" Female/Male BSP 2 Port	1	PB47152	
15mm x 3/4" Female/Male BSP 3 Port	1	PB47153	

Brass Single Sided Manifold Valved (Brass) <small>(Use PTFE tape to seal threads)</small>	Pack Qty.	Code No.	
15mm x 3/4" Female/Male BSP 2 Port	1	PB5234152	
15mm x 3/4" Female/Male BSP 3 Port	1	PB5234153	


Manifold Bracket (Metal)	Pack Qty.	Code No.	
3/4"	2	PB4634	

Stopcock (Grey) <small>(Cold water only)</small>	Pack Qty.	Code No.	
15mm x 15mm	5	PB2615	
22mm x 22mm	5	PB2622	


MDPE Stopcock (Grey) <small>(Polyfast) (Cold water only)</small>	Pack Qty.	Code No.	
20mm MDPE x 15mm	5	PB262015	
25mm MDPE x 15mm	5	PB262515	
25mm MDPE x 22mm	5	PB262522	


Gate Valve (Brass)	Pack Qty.	Code No.	
15mm	5	PB3115	
22mm	5	PB3122	


Shut-Off Valve (White) <small>(Not suitable for central heating)</small>	Pack Qty.	Code No.	
15mm x 15mm Warm/Cold <small>(Please note these valves now contain a plain white index)</small>	5	PB5915	


Appliance Valve (White) <small>(Not suitable for central heating)</small>	Pack Qty.	Code No.	
15mm x 3/4" Warm/Cold <small>(Please note these valves now contain a plain white index)</small>	5	PB6115	


Straight Service Valve (White) (Not suitable for central heating)			
15mm x 1/2"	Pack Qty. 5	Code No. PB6515	
Bent Service Valve (White) (Not suitable for central heating)			
15mm x 1/2" 90°	Pack Qty. 5	Code No. PB6615	
Bent Service Valve (White) (Not suitable for central heating)			
15mm x 15mm 90° (Please note these valves now contain a plain white index)	Pack Qty. 5	Code No. PB7915	
Double Check Valve (Not suitable for central heating)			
15mm	Pack Qty. 1	Code No. PB3715	
22mm	Pack Qty. 1	Code No. PB3722	
28mm	Pack Qty. 1	Code No. PB3728	
Quarter Turn Ball Valve (Nickel Plated Brass)			
15mm	Pack Qty. 5	Code No. PB6715	
22mm	Pack Qty. 2	Code No. PB6722	
28mm	Pack Qty. 2	Code No. PB6728	
Ball Valve (Brass) (use to convert Unvalved to Valved version)			
15mm x 15mm (Socket/Spigot)	Pack Qty. 5	Code No. PB4015	
Thermostatic Radiator Valve (Plated Brass) (All include MDPE 12 Bar Plastic Pipe Stiffener)			
10mm	Pack Qty. 1	Code No. PB3310	
15mm	Pack Qty. 1	Code No. PB3315	
Radiator/Lockshield Valve (Plated Brass) (All include MDPE 12 Bar Plastic Pipe Stiffener)			
10mm	Pack Qty. 1	Code No. PB3210	
15mm	Pack Qty. 1	Code No. PB3215	


Radiator Connector (Bend "RCB") <small>(Pipe stiffeners must be used on each end)</small>	Pack Qty.	Code No.	
10mm	10	PB3910	
15mm	10	PB3915	


Bend Former <small>(Bend radius is 8 x Pipe diameter)</small>	Pack Qty.	Code No.	
15mm	5	PB6315	
22mm	5	PB6322	


Radiator Terminal Plate	Pack Qty.	Code No.	
Radiator Terminal Plate	10	RTP10	


Male BSP Adaptor (DZR Brass Body) <small>(Taper BSP threads to BS21 only use PTFE tape to seal threads)</small>	Pack Qty.	Code No.	
10mm x 1/4"	10	PB4310	
10mm x 3/8"	10	PB431038	
15mm x 1/2"	10	PB4315	
22mm x 3/4"	10	PB4322	
28mm x 1"	5	PB4328	


Female BSP Adaptor (DZR Brass Body) <small>(Parallel BSP threads to BS21 only use PTFE tape to seal threads)</small>	Pack Qty.	Code No.	
10mm x 1/4"	10	PB4410	
10mm x 3/8"	10	PB441038	
15mm x 1/2"	10	PB4415	
15mm x 3/4"	10	PB441534	
22mm x 3/4"	10	PB4422	
28mm x 1"	5	PB4428	


MDPE Polyfast Adaptor (Cold Water Only) <small>(All include MDPE 12 Bar Plastic Pipe Stiffener)</small>	Pack Qty.	Code No.	
15mm x 20mm	5	PB422015	
15mm x 25mm	5	PB422515	
22mm x 25mm	5	PB422522	
22mm x 32mm	5	PB423222	
28mm x 32mm	5	PB423228	


Spigot Draincock (Brass)	Pack Qty.	Code No.	
15mm	10	PB3615	


Pipe Stiffener (Plastic) (Must be used with Polybutylene Pipe)	Pack Qty.	Code No.	
10mm	20	PB6410	
15mm	50	PB6415	
22mm	50	PB6422	
28mm	20	PB6428	


Pipe Stiffener (Stainless Steel)	Pack Qty.	Code No.	
10mm	20	PB6410M	
15mm	50	PB6415M	
22mm	50	PB6422M	


PolyPlumb Bulldog Clips Polypropylene	Pack Qty.	Code No.	
15mm	50	PB2115	
22mm	50	PB2122	
28mm	50	PB2128	


Nail-In Clips - Polypropylene	Pack Qty.	Code No.	
10mm	50	PB2210	
15mm	50	PB2215	
22mm	50	PB2222	
28mm	50	PB2228	


Snap-Fit Clips - Polypropylene	Pack Qty.	Code No.	
10mm	50	PB2310	
15mm	50	PB2315	
22mm	50	PB2322	
28mm	50	PB2328	

Pipe Clip Spacer - Polypropylene	Pack Qty.	Code No.	
10mm	20	PB2410	
15mm	20	PB2415	
22mm	20	PB2422	
28mm	20	PB2428	

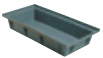
Spares Component Kit	Pack Qty.	Code No.	
10mm	10	PB9510	
15mm	10	PB9515	
22mm	10	PB9522	
28mm	5	PB9528	


Conical E.P.D.M. Sealing Washer (For Tap Connector with Brass Nut)	Pack Qty.	Code No.	
1/2"	20	PB9312	
3/4"	20	PB9334	


Flat E.P.D.M. Sealing Washer (For Hand Tightened Tap Connector)	Pack Qty.	Code No.	
1/2"	20	PB9412	
3/4"	20	PB9434	


'O' Rings E.P.D.M. Rubber (Must be lubricated)	Pack Qty.	Code No.	
3/4"	20	PB9034	










Valve Tidy Cover - Polypropylene	Pack Qty.	Code No.	
For 10mm/8mm pipe	6	VT149	

Junction Inspection Box - Polypropylene	Pack Qty.	Code No.	
Junction Box (75mm deep - grey)	1	JIB1	
Junction Box Lid (12mm plywood)	1	JIB2	
Junction Box (65mm deep - black)	1	JIB3	

Silicone Lubricant, Solvent Cement and Cleaning Fluid	Pack Qty.	Code No.	
Silicone Lubricant 100gm Screw Top Jar	10	SG100	
Solvent Cement c/w Brush 125ml (BS6209)	10	SC125	
Solvent Cement c/w Brush 250ml (BS6209)	10	SC250	
Solvent Cement c/w Brush 500ml (BS6209)	10	SC500	
Cleaning Fluid 250ml Tin	10	CF250	

Boiler Overflow Pipe Guard	Pack Qty.	Code No.	
Boiler Overflow Pipe Guard (c/w x 2 Pipe Clips)	1	BOPG50	

Self Adhesive Aluminium Tape	Pack Qty.	Code No.	
48mm wide x 46 metres long (Do not stick to PolyPlumb pipes)	24	ALTP	

System Test Kit	Pack Qty.	Code No.	
System Test Kit	1	PB993	
Underfloor Pipe Duct (PVCu)	Pack Qty.	Code No.	
50mm depth x 150mm width x 3 metre for 10, 15 & 22mm pipe (requires 12mm thickness cover board)	5	FD50	
70mm depth x 150mm width x 3 metre for 28mm pipe, duct only - fittings fabricated on site (requires 12mm cover board)	5	FD70	
Push-Fit Union (PVCu)	Pack Qty.	Code No.	
Double Socket for 50mm only	10	FD52	
Push-Fit 90° Angle (PVCu)	Pack Qty.	Code No.	
Double Socket for 50mm only	10	FD53	
Push-Fit 90° Tee (PVCu)	Pack Qty.	Code No.	
Triple Socket for 50mm only	10	FD54	
Push-Fit End Cap (PVCu)	Pack Qty.	Code No.	
Single Socket for 50mm only (insert Solvent Weld Pipe Clips and Base)	10	FD55	
Solvent Weld Pipe Clips (For use with PVCu Pipe Duct)	Pack Qty.	Code No.	
15mm (ABS)	100	FDB15	
22mm (ABS)	100	FDB22	
28mm (ABS)	100	FDB28	
Pipe Clip Base Plate (PVC)	100	FDB93	
Pipe Cutters Standard	Pack Qty.	Code No.	
V Bladed Standard Cutter 10mm to 22mm	1	PB781	
Pipe Cutters Ratchet	Pack Qty.	Code No.	
Ratchet Type Cutters	1	PB778	
Replacement Blade for Ratchet Cutter	1	PB779	



PolyMax



PolyMax




NEW


Streamline push fit plumbing


PolyMax is our newest plumbing fitting range, introduced after extensive research, to meet consumer and installer demand.


Available in 15mm and 22mm sizes, PolyMax fittings are slim, sleek and attractive, making PolyMax the perfect choice for surface mounted installations. PolyMax is easily demounted using our handy release tool. Use PolyMax with Polypipe white polybutylene flexible pipe, using a Polypipe metal or plastic pipe stiffener. For extra security, choose the new Polypipe sealed stiffener.


PolyMax can be used on a wide range of home improvement and refit projects, including hot and cold water systems.

Straight Coupler	Pack Qty.	Code No.	
15mm	10	MAX015	
22mm	10	MAX022	


Socket Reducer	Pack Qty.	Code No.	
15mm x 10mm	10	MAX1815	
22mm x 15mm (not suitable for use with compression fittings)	10	MAX1822	


Elbow	Pack Qty.	Code No.	
15mm	10	MAX115	
22mm	10	MAX122	

Spigot Elbow	Pack Qty.	Code No.	
10mm	10	MAX1010	
15mm	10	MAX1015	

Equal Tee	Pack Qty.	Code No.	
15mm	10	MAX215	
22mm	10	MAX222	

End Reduced Tee	Pack Qty.	Code No.	
22mm x 15mm x 22mm	5	MAX1422	

Branch Reduced Tee	Pack Qty.	Code No.	
22mm x 22mm x 10mm	5	MAX112210	
22mm x 22mm x 15mm	5	MAX1122	

Branch and One End Reduced Tee	Pack Qty.	Code No.	
22mm x 15mm x 15mm	5	MAX1522	

Straight Tap Connector (Brass Connecting Nut)	Pack Qty.	Code No.	
15mm x 3/4" (1)	5	MAX71534	

(1) Complete with fibre sealing washer
(tighten by hand plus a further 1/6 of a turn with a spanner)

Hand Tighten Tap Connector (Not suitable for central heating)	Pack Qty.	Code No.	
15mm x 1/2"	10	MAX2715	
22mm x 3/4"	5	MAX2722	

PolyMax

Spigot Blank Ends <small>(Not suitable for use with compression fittings)</small>	Pack Qty.	Code No.
10mm	10	FIT910
15mm	10	FIT915
22mm (with reinforcing sleeve)	10	FIT922



Radiator Connector (Bend "RCB") <small>(Pipe stiffeners must be used on each end)</small>	Pack Qty.	Code No.
10mm	10	PB3910
15mm	10	PB3915



Bend Former <small>(Bend radius is 8 x pipe diameter)</small>	Pack Qty.	Code No.
15mm	5	PB6315
22mm	5	PB6322



Pipe Stiffener - Plastic <small>(Must be used with polybutylene pipe)</small>	Pack Qty.	Code No.
10mm	20	PB6410
15mm	50	PB6415
22mm	50	PB6422
28mm	20	PB6428



Pipe Stiffener (Stainless Steel)	Pack Qty.	Code No.
10mm	20	PB6410M
15mm	50	PB6415M
22mm	50	PB6422M



Sealed Stiffener - Plastic <small>(Not for use with PolyPlumb)</small>	Pack Qty.	Code No.
15mm	50	PB6415S
22mm	50	PB6422S



Fitting Release Aid	Pack Qty.	Code No.
Set of 4 for 10mm, 15mm, 22mm and 28mm fittings, a useful tool to assist in demounting PolyMax and PolyFit fittings, but not essential	Per Set	FITAID



Nail-In Clips - Polypropylene	Pack Qty.	Code No.
10mm	50	FIT2210
15mm	50	FIT2215
22mm	50	FIT2222
28mm	50	FIT2228





PolyFit



PolyFit

Quickfix push fit plumbing


PolyFit is our hand demountable white, push fit plumbing system, offering maximum flexibility and adjustability.

PolyFit features a one step jointing operation for quick and easy installation. PolyFit leads the market in speed to fit. If you need to adjust a fitting joint during the installation process, PolyFit fittings can be quickly demounted by hand, or by using our release tool.


Use PolyFit with Polypipe white polybutylene flexible pipe, using a Polypipe metal or plastic pipe stiffener. For extra security, choose the new Polypipe sealed stiffener.

PolyFit can be used on a wide range of contract and retrofit projects, including hot and cold water systems, and is particularly suitable for first fix installations.


Straight Coupler	Pack Qty.	Code No.
10mm	10	FIT010
15mm	10	FIT015
22mm	10	FIT022
28mm	5	FIT028




Socket Reducer	Pack Qty.	Code No.
15mm x 10mm	10	FIT1815
22mm x 15mm (not suitable for use with compression fittings)	10	FIT1822
28mm x 15mm (not suitable for use with compression fittings)	10	FIT182815
28mm x 22mm (not suitable for use with compression fittings)	5	FIT1828




Reducing Coupler	Pack Qty.	Code No.
15mm x 10mm	5	FIT5815
22mm x 10mm	5	FIT582210
22mm x 15mm	5	FIT5822




Elbow	Pack Qty.	Code No.
10mm	10	FIT110
15mm	10	FIT115
22mm	10	FIT122
28mm	5	FIT128



Spigot Elbow	Pack Qty.	Code No.
10mm	10	FIT1010
10mm x 15mm	10	FIT101510
15mm	10	FIT1015
22mm (not suitable for use with compression fittings)	10	FIT1022



Equal Tee	Pack Qty.	Code No.
10mm	10	FIT210
15mm	10	FIT215
22mm	10	FIT222
28mm	5	FIT228



End Reduced Tee	Pack Qty.	Code No.
15mm x 10mm x 15mm	5	FIT1415
22mm x 15mm x 22mm	5	FIT1422
28mm x 22mm x 28mm	5	FIT1428



Branch Reduced Tee	Pack Qty.	Code No.
15mm x 15mm x 10mm	5	FIT1115
22mm x 22mm x 10mm	5	FIT112210
22mm x 22mm x 15mm	5	FIT1122
28mm x 28mm x 22mm	5	FIT1128



Branch and One End Reduced Tee	Pack Qty.	Code No.
15mm x 10mm x 10mm	5	FIT1515
22mm x 15mm x 15mm	5	FIT1522
28mm x 22mm x 22mm	5	FIT1528



Two Ends Reduced Tee	Pack Qty.	Code No.
15mm x 15mm x 22mm	5	FIT1622



Spigot Blank Ends (Not suitable for use with compression fittings)	Pack Qty.	Code No.
10mm	10	FIT910
15mm	10	FIT915
22mm (with reinforcing sleeve)	10	FIT922




Socket Blank Ends	Pack Qty.	Code No.
10mm	10	FIT1910
15mm	10	FIT1915
22mm	10	FIT1922
28mm	5	FIT1928




Straight Tap Connector (Brass Connecting Nut)	Pack Qty.	Code No.
15mm x 1/2" (1)	10	FIT715
15mm x 3/4" (2)	5	FIT71534
22mm x 3/4" (2)	5	FIT722




- (1) Complete with E.P.D.M. Sealing Washer. Spare flat seal included (tighten by hand plus a further 1/4 of a turn with a spanner)
- (2) Complete with fibre sealing washer (tighten by hand plus a further 1/6 of a turn with a spanner)

Hand Tighten Tap Connector (Not suitable for central heating)	Pack Qty.	Code No.	
10mm x 1/2"	10	FIT271012	
15mm x 1/2"	10	FIT2715	
15mm x 3/4"	5	FIT271534	
22mm x 3/4"	5	FIT2722	


Bent Tap Connector (Brass Connecting Nut)	Pack Qty.	Code No.	
15mm x 1/2"	10	FIT1715	


Complete with E.P.D.M. Sealing Washer. Spare flat seal included (tighten by hand plus a further 1/4 of a turn with a spanner)


Tank Connector (Cold water only)	Pack Qty.	Code No.	
15mm x 1/2"	10	FIT3815	
22mm x 3/4"	10	FIT3822	


Complete with E.P.D.M. Sealing Washer (tighten by hand)









Wall Plate Elbow (Brass) (Use PTFE tape to seal threads)	Pack Qty.	Code No.	
15mm x 1/2" BSP	5	FIT1315	






Polybutylene Double Sided Manifold	Pack Qty.	Code No.	
22mm x 10mm – 2 Port (Socket/Socket)	5	FIT2822	
22mm x 10mm – 4 Port (Socket/Socket)	5	FIT4822	

Polybutylene Single Sided Manifold	Pack Qty.	Code No.	
22mm x 10mm – 4 Port (Socket/Socket)	1	FIT7322104	
22mm x 15mm – 3 Port (Socket/Socket)	1	FIT7322153	


Stopcock (Cold water only)	Pack Qty.	Code No.	
15mm x 15mm	5	FIT2615	
22mm x 22mm	5	FIT2622	


MDPE Stopcock (Cold water only)	Pack Qty.	Code No.	
20mm MDPE x 15mm	5	FIT262015	
25mm MDPE x 22mm	5	FIT262522	


Gate Valve	Pack Qty.	Code No.	
15mm	5	FIT3115	
22mm	5	FIT3122	
Shut-Off Valve (White) (Not suitable for central heating)	Pack Qty.	Code No.	
15mm x 15mm Warm/Cold (Please note these valves now contain a plain white index)	5	FIT5915	
Appliance Valve (White) (Not suitable for central heating)	Pack Qty.	Code No.	
15mm x 3/4" Warm/Cold (Please note these valves now contain a plain white index)	5	FIT6115	
Service Valve (White) (Not suitable for central heating)	Pack Qty.	Code No.	
15mm x 1/2" (Please note these valves now contain a plain white index)	5	FIT6515	
Chrome Plated Service Valve (Brass)	Pack Qty.	Code No.	
15mm x 15mm	5	FIT8515	
22mm x 22mm	5	FIT8522	
Chrome Plated Service Valve with Tap Connector (Brass)	Pack Qty.	Code No.	
15mm x 1/2"	5	FIT8615	
22mm x 3/4"	5	FIT8622	
Male BSPT Adaptor (DZR Brass Body) (Taper BSP threads to BS21 only use PTFE tape to seal threads)	Pack Qty.	Code No.	
10mm x 1/2"	10	FIT431012	
15mm x 1/2"	10	FIT4315	
22mm x 3/4"	10	FIT4322	
28mm x 1"	5	FIT4328	
Female BSP Adaptor (DZR Brass Body) (Taper BSP threads to BS21 only use PTFE tape to seal threads)	Pack Qty.	Code No.	
10mm x 1/2"	10	FIT441012	
15mm x 1/2"	10	FIT4415	
22mm x 3/4"	10	FIT4422	



MDPE x PolyFit Adaptor (Cold water only)	Pack Qty.	Code No.	
20mm x 15mm	5	FIT422015	
25mm x 15mm	5	FIT422515	
25mm x 22mm	5	FIT422522	
Spigot Draincock (Brass)	Pack Qty.	Code No.	
15mm	10	FIT3615	
Radiator Connector (Bend "RCB") (Pipe stiffeners must be used on each end)	Pack Qty.	Code No.	
10mm	10	PB3910	
15mm	10	PB3915	
Bend Former (Bend radius is 8 x pipe diameter)	Pack Qty.	Code No.	
15mm	5	PB6315	
22mm	5	PB6322	
Spares Component Kit	Pack Qty.	Code No.	
10mm	10	FIT9510	
15mm	10	FIT9515	
22mm	10	FIT9522	
28mm	5	FIT9528	
Fitting Release Aid	Pack Qty.	Code No.	
Set of 4 for 10mm, 15mm, 22mm and 28mm fittings, a useful tool to assist in demounting PolyMax and PolyFit fittings, but not essential	Per Set	FITAID	
Conical E.P.D.M. Sealing Washer (For Tap Connector with Brass Nut)	Pack Qty.	Code No.	
1/2"	20	PB9312	
3/4"	20	PB9334	
Flat E.P.D.M. Sealing Washer (For Hand Tightened Tap Connector)	Pack Qty.	Code No.	
1/2"	20	PB9412	
3/4"	20	PB9434	
'O' Rings E.P.D.M. Rubber (Must be lubricated)	Pack Qty.	Code No.	
3/4"	20	PB9034	


PolyFit


Nail-In Clips - Polypropylene	Pack Qty.	Code No.	
10mm	50	FIT2210	
15mm	50	FIT2215	
22mm	50	FIT2222	
28mm	50	FIT2228	

Pipe Stiffener (Plastic) (Must be used with Polybutylene Pipe)	Pack Qty.	Code No.	
10mm	20	PB6410	
15mm	50	PB6415	
22mm	50	PB6422	
28mm	20	PB6428	

Pipe Stiffener (Stainless Steel)	Pack Qty.	Code No.	
10mm	20	PB6410M	
15mm	50	PB6415M	
22mm	50	PB6422M	

Sealed Stiffener - Plastic (Not for use with PolyPlumb)	Pack Qty.	Code No.	 
15mm	50	PB6415S	
22mm	50	PB6422S	

Pipe Cutters Standard	Pack Qty.	Code No.	
V Bladed Standard Cutter 10mm to 22mm	1	PB781	

Pipe Cutters Ratchet	Pack Qty.	Code No.	
Ratchet Type Cutters	1	PB778	
Replacement Blade for Ratchet Cutter	1	PB779	

Self Adhesive Aluminium Tape	Pack Qty.	Code No.	
48mm wide x 46 metres long (Do not stick to PolyPlumb pipes)	24	ALTP	

System Test Kit	Pack Qty.	Code No.	
System Test Kit	1	PB993	

Radiator Terminal Plate	Pack Qty.	Code No.	
Radiator Terminal Plate	10	RTP10	

PolyFit Hoses



PolyFit

Hoses

Our flexible hose connector range provides the choice of length, end connection and valve options, suitable for a wide range of projects.

Many of our flexible connectors include the PolyFit one step joint feature, which are quick and easy to install and are ideal for use in tricky to reach or tight locations.

All PolyFit hoses which have a tap connector nut contain captive rubber seals, ensuring that seals are not lost or damaged on site.

Flexible Hose Tap Connector (Not suitable for central heating)	Pack Qty.	Code No.
150mm x 15mm x 1/2"	2	FIT5715
300mm x 15mm x 1/2"	2	FIT6815
300mm x 15mm x 3/4"	2	FIT681534
300mm x 22mm x 3/4"	2	FIT6822
500mm x 15mm x 1/2"	2	FIT8315
500mm x 15mm x 3/4"	2	FIT831534
500mm x 22mm x 3/4"	2	FIT8322
1000mm x 15mm x 1/2"	2	FIT8015
1000mm x 15mm x 3/4"	2	FIT801534
1000mm x 22mm x 3/4"	2	FIT8022



Flexible Hose Tap Connector with Service Valve (Not suitable for central heating)	Pack Qty.	Code No.
300mm x 15mm x 1/2"	2	FIT8415
300mm x 22mm x 3/4"	2	FIT8422
500mm x 15mm x 1/2"	2	FIT8715
500mm x 15mm x 3/4"	2	FIT871534



Flexible PolyFit Connector with Service Valve (Not suitable for central heating)	Pack Qty.	Code No.
300mm x 15mm x 15mm	2	FIT8815
500mm x 15mm x 15mm	2	FIT8915



Flexible PolyFit Connector (Not suitable for central heating)	Pack Qty.	Code No.
300mm x 15mm x 15mm	2	FIT8115
300mm x 22mm x 22mm	2	FIT8122
500mm x 15mm x 15mm	2	FIT8215
500mm x 22mm x 22mm	2	FIT8222





Monobloc Mixer Tap Flexible Connector (Not suitable for central heating)	Pack Qty.	Code No.
300mm x 15mm x M10	2	FIT7515M10
300mm x 15mm x M12	2	FIT7515M12




Supplied in pairs with offset nuts to aid installation to mixer tap

PolyFit Hoses

Compression Flexible Hose Tap Connector (Not suitable for central heating)	Pack Qty.	Code No.	
300mm x 15mm x 1/2"	2	FIT9615	
300mm x 22mm x 3/4"	2	FIT9622	
500mm x 15mm x 1/2"	2	FIT9815	
500mm x 22mm x 3/4"	2	FIT9822	

Compression Flexible Hose Tap Connector with Service Valve (Not suitable for central heating)	Pack Qty.	Code No.	
300mm x 15mm x 1/2"	2	FIT9715	
300mm x 22mm x 3/4"	2	FIT9722	

90° Elbow Flexible Hose Connector	Pack Qty.	Code No.	
90° Elbow	2	FIT7115	



PolySure



PolySure

Permanent press fit plumbing

PolySure is our radial press fit system, available in UK sizes, in both metal and plastic bodied solutions, and installed using specialist crimping tools.

PolySure features secure, tamperproof jointing technology for a permanent fit. The slim profile fittings are ideal for use in visible installations. An inbuilt location washer ensures the crimping tool jaws are correctly positioned for accurate fitting and a visual socket depth indicator and double O-ring seal provides enhanced jointing.

Use PolySure with Polypipe white or grey polybutylene flexible pipe.

PolySure can be used in any hot and cold water installation but is particularly suited to buildings with high levels of public access traffic, where security and joint integrity are paramount.


Plastic Bodied PolySure Fittings


Straight Couplers	Pack Qty.	Code No.	 NEW
15mm	10	SUR015P	
22mm	10	SUR022P	


90° Elbow	Pack Qty.	Code No.	 NEW
15mm	10	SUR115P	
22mm	10	SUR122P	


Equal Tees	Pack Qty.	Code No.	 NEW
15mm	10	SUR215P	
22mm	10	SUR222P	


Metal Bodied PolySure Fittings


Straight Couplers	Pack Qty.	Code No.	
10mm	10	SUR010	
15mm	10	SUR015	
22mm	10	SUR022	
28mm	10	SUR028	


Socket x Socket Reducer	Pack Qty.	Code No.	
15mm x 10mm	10	SUR5815	
22mm x 15mm	10	SUR5822	
28mm x 15mm	10	SUR582815	
28mm x 22mm	10	SUR5828	


90° Elbow	Pack Qty.	Code No.	
10mm	10	SUR110	
15mm	10	SUR115	
22mm	10	SUR122	
28mm	10	SUR128	


Equal Tees	Pack Qty.	Code No.	
15mm	10	SUR215	
22mm	10	SUR222	
28mm	10	SUR228	

End Reduced Tees	Pack Qty.	Code No.	
22mm x 15mm x 22mm	10	SUR1422	
28mm x 22mm x 28mm	10	SUR1428	


Branch Reduced Tees	Pack Qty.	Code No.	
15mm x 15mm x 10mm	10	SUR1115	
22mm x 22mm x 15mm	10	SUR1122	
28mm x 28mm x 15mm	10	SUR112815	
28mm x 28mm x 22mm	10	SUR1128	


Branch and End Reduced Tees	Pack Qty.	Code No.	
22mm x 15mm x 15mm	10	SUR1522	
28mm x 22mm x 22mm	10	SUR1528	


Straight Tap Connector	Pack Qty.	Code No.	
15mm x 1/2" (1)	10	SUR715	
15mm x 3/4" (2)	10	SUR71534	
22mm x 3/4" (2)	10	SUR722	


Bent Tap Connector	Pack Qty.	Code No.	
15mm x 1/2" (1)	10	SUR1715	


- (1) Complete with E.P.D.M. Sealing Washer. Spare flat seal included (tighten by hand plus a further 1/4 of a turn with a spanner)
 (2) Complete with fibre sealing washer (tighten by hand plus a further 1/6 of a turn with a spanner)


Male BSP Adaptor	Pack Qty.	Code No.	
15mm x 1/2"	10	SUR4315	
22mm x 3/4"	10	SUR4322	
28mm x 1"	10	SUR4328	


Female BSP Adaptor	Pack Qty.	Code No.	
15mm x 1/2"	10	SUR4415	
22mm x 3/4"	10	SUR4422	
28mm x 1"	10	SUR4428	


Compression Adaptor	Pack Qty.	Code No.	
15mm	10	SUR5515	
22mm	10	SUR5522	

Standard Pressing Jaws Polypipe TH <small>Can be used with Manual Pressing Tool (not 28mm) or Standard Battery Operated Pressing Gun</small>	Pack Qty.	Code No.	
10mm	1	JAW10TH	
15mm	1	JAW15TH	
22mm	1	JAW22TH	
28mm	1	JAW28TH	


Mini Pressing Jaws Polypipe TH Profile <small>Can only be used with Mini Battery Operated Pressing Gun</small>	Pack Qty.	Code No.	
10mm	1	MJAW10TH	
15mm	1	MJAW15TH	
22mm	1	MJAW22TH	
28mm	1	MJAW28TH	

Pipe Cutters Standard	Pack Qty.	Code No.	
V Bladed Standard Cutter 10mm to 22mm	1	PB781	

Pipe Cutters Ratchet	Pack Qty.	Code No.	
Ratchet Type Cutters	1	PB778	
Replacement Blade for Ratchet Cutter	1	PB779	

Manual Pressing Tool	Pack Qty.	Code No.	
Manual Pressing Tool (Jaws purchased separately)	1	MANPRES	

Pipe Chamfering Tool	Pack Qty.	Code No.	
Universal Pipe Chamfering Tool	1	UNIPCT	

Individual Pipe Chamfering Tools	Pack Qty.	Code No.	
10mm*	1	10PCT	
15mm*	1	15PCT	
22mm*	1	22PCT	
28mm*	1	28PCT	
Set of 4 Pipe Chamfering Tools, 10, 15, 22 and 28mm**	1	SETPCT	

* Does not include handle

** Includes handle

Standard Battery Operated Pressing Gun	Pack Qty.	Code No.	
Standard Battery Operated Pressing Gun (Jaws purchased separately)	1	BATPRES	
Mini Battery Operated Pressing Gun	Pack Qty.	Code No.	
Mini Battery Operated Pressing Gun, with battery level indicator (Jaws purchased separately)	1	MBATPRES	
'O' Rings	Pack Qty.	Code No.	
10mm	20	SUR9010	
15mm	20	SUR9015	
22mm	20	SUR9022	
28mm	20	SUR9028	
Press Sleeve and Washer	Pack Qty.	Code No.	
10mm	10	SUR9510	
15mm	10	SUR9515	
22mm	10	SUR9522	
28mm	10	SUR9528	



POLYPIPE OVERLAY SYSTEM
FOR 12mm PIPES

Underfloor Heating Systems

Polypipe manufactures the most comprehensive range of underfloor heating systems available for the UK market. Our range combines versions of traditional underfloor systems and a number of innovative product solutions, designed to extend the suitability of underfloor heating to almost any installation scenario, from whole house to single room projects and for new build and renovation. Use the quick reference guide below to find the right solution or, for more information, contact our International Sales and Technical office at international@polypipe.com

Traditional underfloor heating systems

Solid floor	Page 52
Floating floor	Page 54
Suspended floor	Page 56

Unique underfloor heating systems


Modular Heating Panels	For suspended/ upper floors	Page 58
Overlay™	Low profile, installed over existing floors, suitable for heavy floor coverings	Page 60
Overlay™ Lite	Low profile, installed over existing floors, suitable for light floor coverings	Page 62
Overlay™ Lite 15	Low profile, installed over existing floors, 15mm pipe, suitable for larger areas	page 62

You can find out more about Polypipe Underfloor Heating Systems at www.polypipe.com/plumbing-heating.

If you have any questions, please email international@polypipe.com


Polypipe Grey Plumbing, Heating and Underfloor Heating Pipe - BS 7291 Class 5

Barrier Polybutylene Pipe Coil (Grey)	Pack Qty.	Code No.
15mm x 50 metre Barrier	1	PB5015B
15mm x 80 metre Barrier	1	PB8015B
15mm x 100 metre Barrier	1	PB10015B
15mm x 120 metre Barrier	1	PB12015B
15mm x 150 metre Barrier	1	PB15015B




Polypipe Ultra Flexible Underfloor Heating Pipe (For Underfloor Heating Use Only) - EN15876

Underfloor Heating Pipe Polybutylene	Pack Qty.	Code No.
12mm x 25m Coil UFH Pipe	1	UFH2512B
12mm x 50m Coil UFH Pipe	1	UFH5012B
12mm x 80m Coil UFH Pipe	1	UFH8012B
15mm x 50m Coil UFH Pipe	1	UFH5015B
15mm x 80m Coil UFH Pipe	1	UFH8015B
15mm x 100m Coil UFH Pipe	1	UFH10015B
15mm x 120m Coil UFH Pipe	1	UFH12015B
15mm x 150m Coil UFH Pipe	1	UFH15015B
18mm x 120m Coil UFH Pipe	1	UFH12018B
18mm x 200m Coil UFH Pipe	1	UFH20018B
18mm x 300m Coil UFH Pipe	1	UFH30018B




Conduit Pipe

Conduit Polypropylene Pipe Coil	Pack Qty.	Code No.
15mm x 25 metre (Black)	1	CPC1525
15mm x 50 metre (Black)	1	CPC1550



Polypipe MCP Underfloor Heating Pipe (For Underfloor Heating Use Only) - EN21003

Metal Composite Pipe	Pack Qty.	Code No.
16mm x 80m Coil MCP UFH Pipe	1	MCP8016B
16mm x 100m Coil MCP UFH Pipe	1	MCP10016B
16mm x 120m Coil MCP UFH Pipe	1	MCP12016B
16mm x 150m Coil MCP UFH Pipe	1	MCP15016B



Solid Floor System



Underfloor heating for solid screeded floors


The Polypipe Solid Floor System features our famous red, lightweight floor panels that are laid to hold the pipe in place. Once the system is installed you simply lay the screed over the top.

Use with screeded floors in both new build and renovation projects.


We also provide clip rail and staple systems for Solid Floor Applications. Solid Floor Systems are compatible with our 15mm, 16mm and 18mm pipe ranges.

Solid Floor System


Floor Panel	Pack Qty.	Code No.	
Allow for overlap and waste when ordering 1.2m x 1m	1	PB08576	

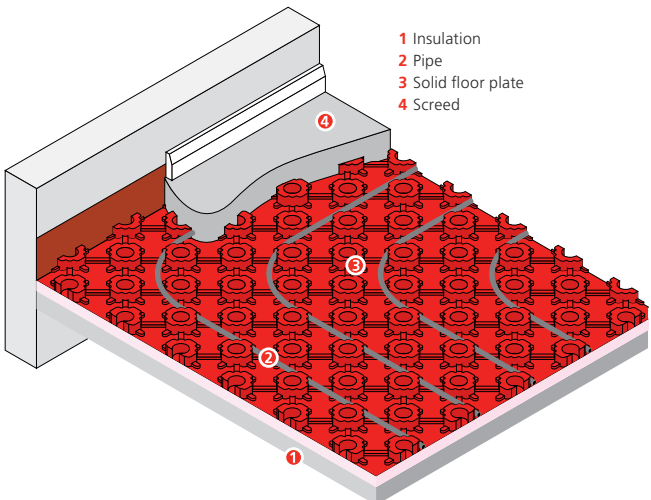
Clip Rails	Pack Qty.	Code No.	
200mm pipe centres (15mm pipe) & 200mm & 300mm pipe centres (18mm pipe). Use approx 1m/m ² floor area and secure with standard Pipe Clip PB02911.			
15mm 8 x 2m pack (16m)	1	PB08515	
18mm 8 x 2m pack (16m)	1	PB08518	

Standard UFCH Pipe Clip	Pack Qty.	Code No.	
Standard UFCH Pipe Clip	250	PB02911	

UFCH Staple System	Pack Qty.	Code No.	
UFCH Staple Clip (60mm)	300	PB02930	
UFCH Staple Gun	1	PB02931	

Edge Insulation	Pack Qty.	Code No.	
25m Coil	1	PB05855	

Long Radius Bend Former	Pack Qty.	Code No.	
For use as pipe guide at bottom of manifold - accepts 15mm conduit pipe	1	PB6325	



Floating Floor System



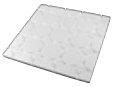
Underfloor heating for floating floors


The Polypipe Floating Floor System features high density polystyrene floor panels that enhance insulation as well as providing the base for the heating pipes.

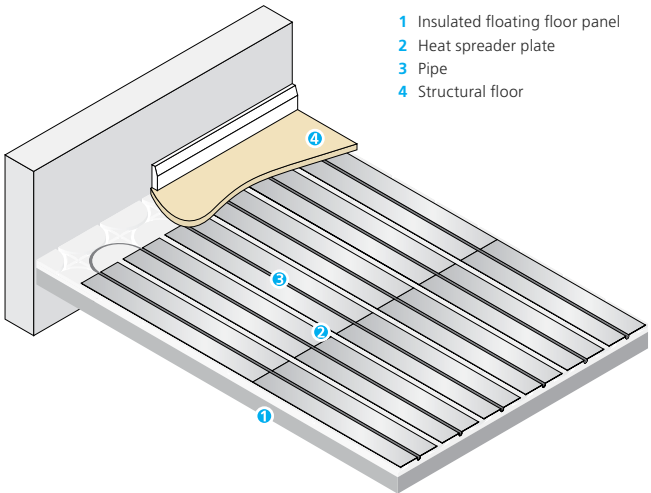
The system is designed for use with “dry build” floors laid directly over solid or timber sub bases in both new build and existing properties.

Floating Floor Systems are compatible with our 15mm and 18mm pipe systems.

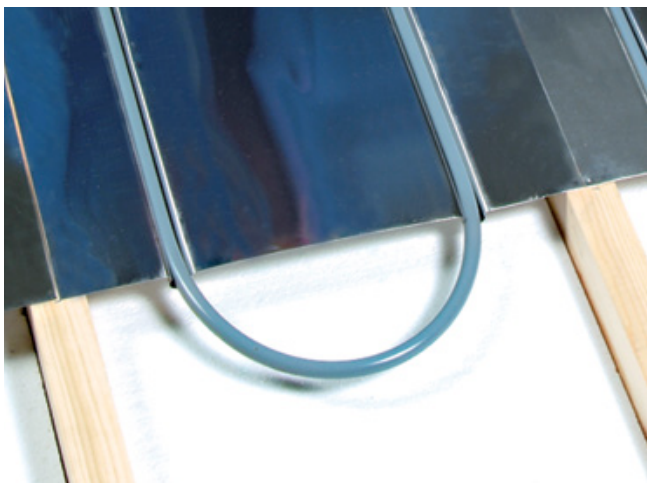
Floating Floor System

Floor Panel	Pack Qty.	Code No.	
Coverage approximately 14.4m ² per 10 pack Floating Floor Panel - 100kN/m ²			
1.2m x 1.2m x 50mm	10	PB08587	

Single Heat Spreader Plate	Pack Qty.	Code No.	
15mm	5	PB207	
18mm	5	PB208	



Suspended Floor System



Underfloor heating for suspended floors


The Polypipe Suspended Floor System features double heat spreader plates, which diffuse heat across the entire floor surface. Now also available in fit from below format so you can still use this system, even if the floor above has already been installed.

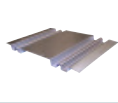
For enhanced performance, especially over larger floor areas, use with our new Overlay™ Lite 15 panels for an integrated insulated solution.

The suspended floor systems are designed for use on timber suspended or battened floors.

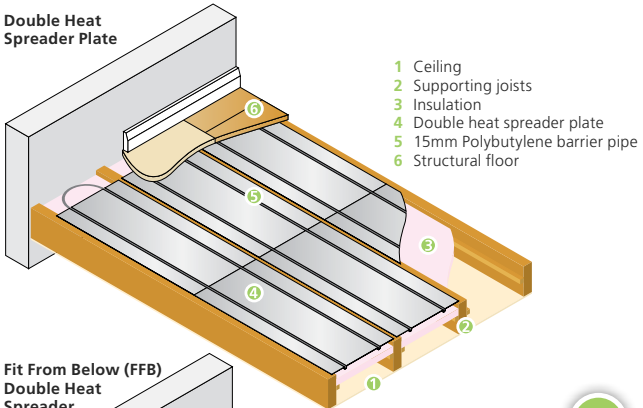
For use with our 15mm pipe systems.

Suspended Floor System

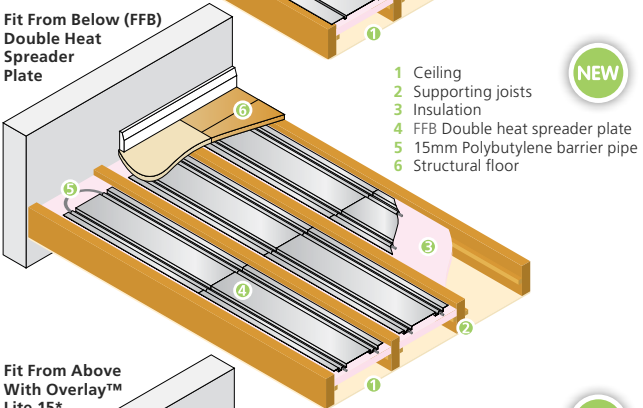
Double Heat Spreader Plate Pipe grooves at 125mm each side of centre line	Pack Qty.	Code No.	
For 15mm Pipe, 450mm x 1m span double indent	5	PB209	

FFB Double Heat Spreader Plate	Pack Qty.	Code No.	
For 15mm Pipe, 310mm x 1m span double indent	5	PB206	

Double Heat Spreader Plate

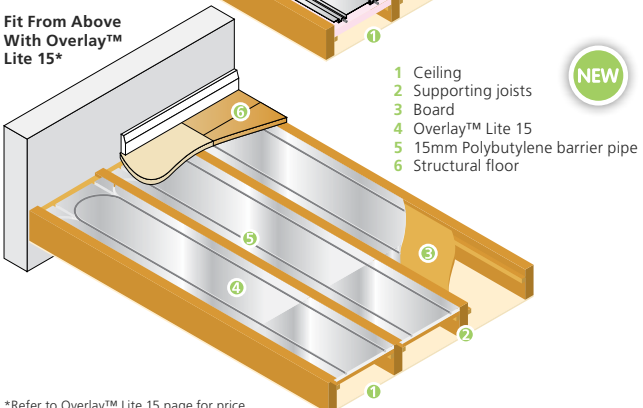


Fit From Below (FFB) Double Heat Spreader Plate



NEW

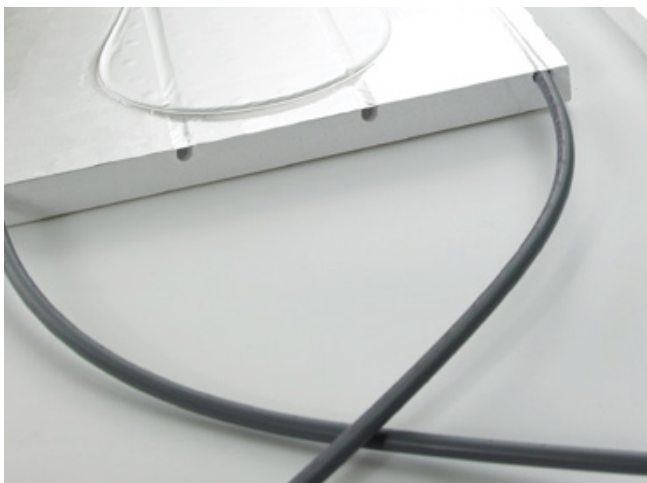
Fit From Above With Overlay™ Lite 15*



NEW

*Refer to Overlay™ Lite 15 page for price

Modular Heating Panels (MHP) Floor System



Underfloor heating for suspended floors

The unique and patented **Polypipe Modular Heating Panels (MHP)** is a system of pre-configured panels, which are connected together on site during installation.

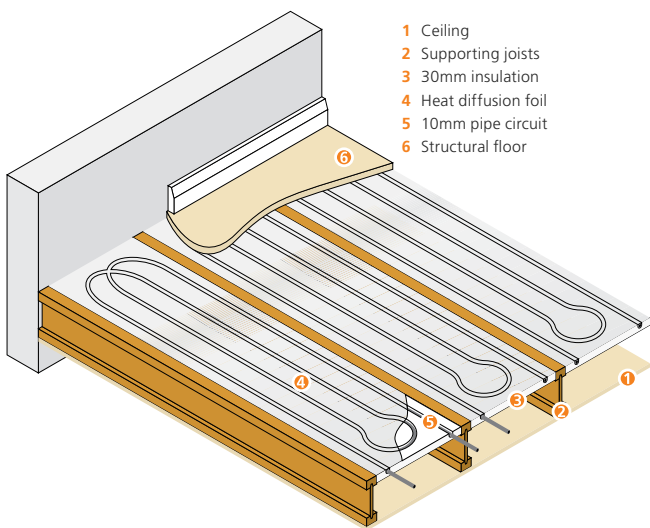
MHP simplifies the installation of underfloor heating into upper floors. The factory configured panels come with heating pipe pre-installed and each panel is linked together prior to connection to the heat source. On site installation is quick and easy, with the panels fixed between the ceiling joists and accessible from above or below.

MHP is equally suitable for new build and retrofit projects.

MHP is compatible with our push fit and press fit fittings ranges.

Modular Heating Panels (MHP) Floor System

MHP (Modular Heating Panel)	Pack Qty.	Code No.
330mm x 1.3m	5	MHP33013
380mm x 1.3m	5	MHP38013
330mm x 2.0m	5	MHP33020
380mm x 2.0m	5	MHP38020
490mm x 1.3m	5	MHP49013
490mm x 2.0m	5	MHP49020



Overlay™ Floor System



Underfloor heating that goes over the floor

The Polypipe Overlay™ System is a patented underfloor heating solution, which uses floor panels that are laid over the existing floor surface prior to finishing and covering. Pre-routed grooves in the floor panels and special end returns ensure that laying the pipe is quick and easy.






Overlay™ is offered in a range of panel types to suit different floor coverings and sizes. Overlay™ can be cost effectively installed into new build properties but is especially useful for retrofit projects where it is not practical to access the sub floor.

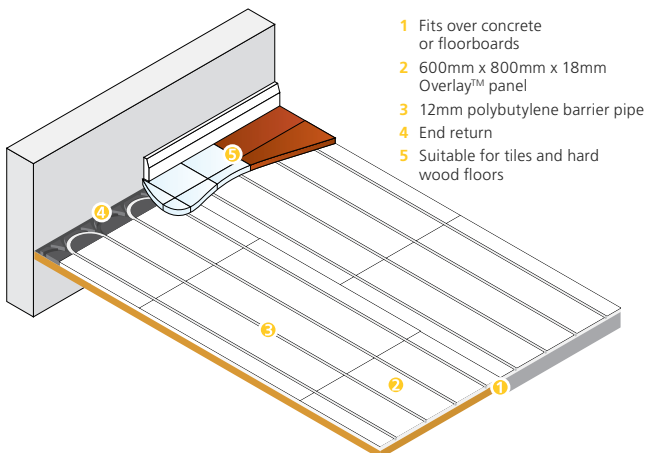
Overlay™ is compatible with our 12mm underfloor heating pipe range.

Overlay™ Floor System

Choose **Overlay™** original floor panels for use with heavier floor coverings such as tiles and ceramics.

Overlay™

Overlay™ Floor Panel	Pack Qty.	Code No.	
800mm (L) x 600mm (W) x 18mm (D) Coverage approx. 4.8m ² per 10 pack	10	PB08570	
800mm (L) x 600mm (W) x 18mm (D) Coverage approx. 14.4m ² per 30 pack	30	PB08571	
End Returns (Overlay™ & Overlay™ Lite)	Pack Qty.	Code No.	
End Returns	10	PB08573	
Polyurethane Expanding Foam Glue	Pack Qty.	Code No.	
Polyurethane Expanding Foam Glue (Overlay™)	1	PB776	
Adaptor Set (Overlay™ & Overlay™ Lite)	Pack Qty.	Code No.	
15mm x 12mm including Pipe Stiffeners per pack	2	PB181512	
Temperature Limiting Valve	Pack Qty.	Code No.	
Temperature Limiting Valve 5m ² Overlay™ only	1	PB970010	



Overlay™ Lite Floor System



Underfloor heating that goes over the floor

The Polypipe Overlay™ Lite System is a patented underfloor heating solution, which uses floor panels that are laid over the existing floor surface prior to finishing and covering.


Overlay™ Lite is a high compressive strength, lightweight insulated panel used for lightweight floor coverings, e.g. laminate, engineered wood and carpet.

Overlay™ Lite 15 is the latest addition to the range and allows 15mm pipe to be used with circuit coverage of 20m² per circuit. Therefore being suitable for larger areas or whole house installation.

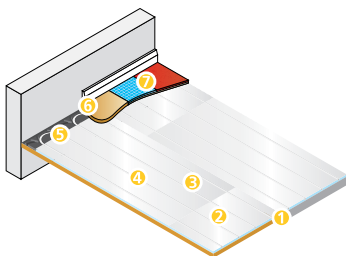
Overlay™ Lite Floor System

Choose **Overlay™ Lite** floor panels for use with lighter floor coverings such as carpet and laminates.

Overlay™ Lite

Overlay™ Lite Floor Panel	Pack Qty.	Code No.	
1245mm (L) x 600mm (W) x 18mm (D) Coverage approx. 7.5m ² per 10 pack	10	PB08010	
1245mm (L) x 600mm (W) x 18mm (D) Coverage approx. 15m ² per 20 pack	20	PB08020	

Self Adhesive Aluminium Tape	Pack Qty.	Code No.	
48mm wide x 46 metres long	24	ALTP	



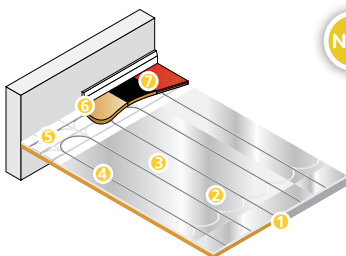
- 1 Fits over concrete or floorboards
- 2 Overlay™ Lite panel
- 3 Heat diffusion foil
- 4 12mm polybutylene barrier pipe
- 5 End return
- 6 10mm plywood lining
- 7 Suitable for laminate floors or carpet

Choose **Overlay™ Lite 15** floor panels, with 15mm pipe, for larger floor areas.

Overlay™ Lite 15

Overlay™ Lite 15 Floor Panel	Pack Qty.	Code No.	
1200mm (L) x 800mm (W) x 22mm (D) Coverage approx. 9.6m ² per 10 pack	10	PB08030	
Connection / Return panel	10	PB08040	

Self Adhesive Aluminium Tape	Pack Qty.	Code No.	
48mm wide x 46 metres long	24	ALTP	



- 1 Fits over concrete or floorboards
- 2 Overlay™ Lite 15 panel
- 3 Heat diffusion foil
- 4 15mm polybutylene barrier pipe
- 5 End return
- 6 10mm plywood lining
- 7 Suitable for most floor coverings



Manifolds & Water Temperature Controls

Polypipe offers a broad range of manifold and water temperature controls for both traditional and underfloor heating applications.

Manifolds are used in all underfloor heating systems above 30m², irrespective of floor type. Manifolds are supplied complete and fixed with a wall mounting bracket. The manifold comes complete with a drain and air vent assembly, which can be positioned on either end of the manifold, and isolation valves are supplied separately for the supply end of the manifold.

We offer a range of 15mm push fit manifolds for use with 12mm and 15mm pipe systems and compression manifolds for use with our 16mm and 18mm pipe systems.

Each Polypipe manifold includes a flow meter on each flow port to provide a visual indicator of the flow through rate of each circuit.

Polypipe also offers a range of water temperature control units. These are used to reduce the water temperature for underfloor heating systems, when connected to the same boiler used for radiators or stored hot water, which operate at higher temperatures than underfloor systems.

Underfloor Heating Manifolds and Ancillaries

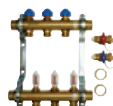
15mm Manifold Pushfit For use with 15mm and 12mm Overlay™ Systems	Pack Qty.	Code No.
2 Port - Pushfit Manifold	1	PB12737
3 Port - Pushfit Manifold	1	PB12738
4 Port - Pushfit Manifold	1	PB12739
5 Port - Pushfit Manifold	1	PB12740
6 Port - Pushfit Manifold	1	PB12741
7 Port - Pushfit Manifold	1	PB12742
8 Port - Pushfit Manifold	1	PB12743
9 Port - Pushfit Manifold	1	PB12744
10 Port - Pushfit Manifold	1	PB12745
11 Port - Pushfit Manifold	1	PB12746
12 Port - Pushfit Manifold	1	PB12747



15mm Manifold Extension Kit	Pack Qty.	Code No.
Underfloor Central Heating Manifold Extension Kit	1	PB12736




16mm and 18mm Compression Manifold For use with 16mm MCP and 18mm systems Use with Manifold Unions	Pack Qty.	Code No.
2 Port - Compression Manifold	1	PB08351
3 Port - Compression Manifold	1	PB08392
4 Port - Compression Manifold	1	PB08459
5 Port - Compression Manifold	1	PB08462
6 Port - Compression Manifold	1	PB08479
7 Port - Compression Manifold	1	PB08558
8 Port - Compression Manifold	1	PB08563
9 Port - Compression Manifold	1	PB08564
10 Port - Compression Manifold	1	PB08572
11 Port - Compression Manifold	1	PB08588
12 Port - Compression Manifold	1	PB08589



16mm and 18mm Manifold Unions To be used on each Manifold Port	Pack Qty.	Code No.
16mm	1	PB07729
18mm	1	PB07730




Underfloor Heating Manifolds and Ancillaries


UFCH Manifold Bends (90°)	Pack Qty.	Code No.	
Allows pump unit and manifold to be corner mounted, can be used with UFCH Control Pack or Modulating Pump Unit (Pair)	1	PB12735	


Isolation Valves	Pack Qty.	Code No.	
1 inch - Isolation Valves - use to connect manifolds to both UFCH Control Pack & Modulating Pump Unit (Pair)	1	PB01732	


Manifold Spares and Accessories

Manifold Flow Meter	Pack Qty.	Code No.	
Manifold Flow Meter	1	PB127FM	

Manifold Balancing Valve	Pack Qty.	Code No.	
Manifold Balancing Valve	1	PB127BV	




Manifold Blue Cap	Pack Qty.	Code No.	
Manifold Blue Cap	1	PB127BC	

Manifold End Set	Pack Qty.	Code No.	
Manifold End Set (Pair)	1	PB127ES	

Temperature Gauge	Pack Qty.	Code No.	
Temperature Gauge	1	PB127TG	

Water Temperature Controls and Accessories

Multiple Room Systems

Manifold Control Pack	Pack Qty.	Code No.	
UFCH Control Pack - Includes EUP Pump, UFCH Mixer Valve, bend and adaptors	1	PB970025	
2 Port Zone Valve	Pack Qty.	Code No.	
2 Port Spring Return Zone Valve	1	PB9700ZV	
UFCH Mixing Valve	Pack Qty.	Code No.	
22mm	1	PB219058	
28mm	1	PB219059	

Single Room Systems

Single Room Control Units Zonal Regulation Units (ZRU)	Pack Qty.	Code No.	
ZRU Single circuit	1	PB970018	
Single Room Control Units Zonal Regulation Units (ZRU)	Pack Qty.	Code No.	
ZRU 2/3 circuit	1	PB970028	
Temperature Limiting Valve	Pack Qty.	Code No.	
Temperature Limiting Valve 5m ² Overlay™ only	1	PB970010	



Room Temperature Controls

Polypipe supplies a comprehensive range of room temperature control products for use on both Polypipe Underfloor Heating Systems and for general use to control heating temperatures in different rooms or control zones.

The range is designed to enable users to configure their heating system to create their preferred balance of comfort and efficiency. Unique programming functions also provide the perfect control solution for Polypipe Underfloor Heating Systems.

Polypipe Room Temperature Controls are available in a wide range of options, including dial, digital and programmable room thermostats, in both wired and RF version, time clocks and master and slave systems.

Use our online controls selector tool for help with selecting the right controls system at www.polypipe.com/plumbing-heating

Room Temperature Controls

UFCH Valve Actuators	Pack Qty.	Code No.
2 Wire	1	PB00401
4 Wire	1	PB00402



Room Thermostats	Pack Qty.	Code No.
Dial Room Thermostat	1	PBRS
Dial Room Thermostat RF	1	PBRS RF
Digital Thermostat	1	PBDIG
Digital Thermostat RF	1	PBDIG RF
Programmable Room Thermostat	1	PBPRP
Programmable Room Thermostat RF	1	PBPRPS RF







Time Clocks	Pack Qty.	Code No.
2 Channel	1	PB2CTC
4 Channel RF	1	PB4CTC RF



Wiring Centres For wired room thermostats and clocks	Pack Qty.	Code No.
Single Zone Master Control Unit - Provides wiring connections for Boiler, Zone Valve, UFH Pump and Power Supply and Single Room Thermostat	1	PB1ZM
4 Zone Slave Unit - Plug-in connection to Master Unit to provide 4 Control Zones	1	PB4ZS
6 Zone Slave Unit - Plug-in connection to Master Unit to provide 6 Control Zones	1	PB6ZS



Room Temperature Controls

Wiring Centres For RF Room Thermostats and Clocks	Pack Qty.	Code No.	
2 Zone Master Unit - Provides hard wired connections for Boiler, Zone Valve, UFH pump, power supply and Actuators (2 zone). Provides RF Connectivity for RF Clock and up to 2 RF Thermostats	1	PB2ZM RF	
4 Zone Slave Unit RF - Plug in connection to PB2ZM RF and provides RF connectivity for up to 4 Zones	1	PB4ZS RF	
RF Receiver - Remote RF receiver providing connectivity and to any RF Thermostat or time clock (switches 230V)	1	PB REC RF	
Wet Room Sensor	Pack Qty.	Code No.	
Includes 3m Sensor Cable - Connects to all wired and RF Room Thermostats for remote sensing in wet rooms	1	PB23020	

Room Packs

This range of underfloor heating packs contains all the flooring and control equipment required for a single room project. Please note that all Room Packs have a maximum output of 100W/m².

1. Select the floor type applicable for the room from the following options:

Solid Floor (Code So)
 Overlay™ (Code O)
 Overlay™ Lite (Code OL)

2. Select the total heated floor area for the room and round up to the following options:

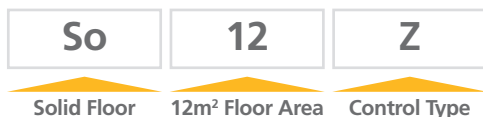
Solid Floor	Overlay™	Overlay™ Lite
12m ² (Code 12)	5m ² (Code 5)	12m ² (Code 12)
20m ² (Code 20)	12m ² (Code 12)	20m ² (Code 20)
30m ² (Code 30)	20m ² (Code 20)	30m ² (Code 30)
	30m ² (Code 30)	

3. Add the control:

ZRU – For connection to existing heating (Code **Z**)
 A dedicated Overlay™ Bathroom Pack (**O5B**) is available for rooms up to 5m². This is supplied with a temperature limiting valve for connection to existing heating systems, so no control method need be specified.

EXAMPLE:

The order code for a 12m² solid floor with a ZRU would be:



Pack Number	Floor Type	Area M ²	Control Type	List Price Each £
Room Pack Availability	1	2	3	
O5B	Overlay™	5	Temp. Limiting Valve	310.00
O12Z	Overlay™	12	ZRU	859.00
O20Z	Overlay™	20	ZRU	1100.00
O30Z	Overlay™	30	ZRU	1421.00
OL12Z	Overlay™ Lite	12	ZRU	859.00
OL20Z	Overlay™ Lite	20	ZRU	1100.00
OL30Z	Overlay™ Lite	30	ZRU	1421.00
So12Z	Solid	12	ZRU	607.00
So20Z	Solid	20	ZRU	774.00
So30Z	Solid	30	ZRU	974.00

Room Packs	Pack Code	Pack Code	Pack Code	Pack Code
Overlay™ Single Room Packs	O5B	O12Z	O20Z	O30Z
Product	Qty	Qty	Qty	Qty
Overlay™ Temperature Limiting Valve	1			
Overlay™ Panel (Pack of 10)	1		1	
Overlay™ Panel (Pack of 30)		1	1	2
Overlay™ End Returns (Pack of 10)	1	2	4	6
Overlay™ Pipe (12mm x 80m)	1	1	2	3
Overlay™ Glue	1	1	2	2
12 x 15mm Adaptors (Pack of 2)	1	1	2	3
15mm PolyPlumb Tees			2	4
15mm PolyPlumb Spigot Elbows			2	4
ZRU (Zonal Regulation Unit)		1	1	1

Overlay™ Lite Single Room Packs	OL12Z	OL20Z	OL30Z
Product	Qty	Qty	Qty
Overlay™ Lite Panel (Pack of 10)		1	
Overlay™ Lite Panel (Pack of 20)	1	1	2
Overlay™ End Returns (Pack of 10)	2	4	6
Overlay™ Pipe (12mm x 80m)	1	2	3
Self Adhesive Aluminium Tape	1	2	2
12 x 15mm Adaptors (Pack of 2)	1	2	3
15mm PolyPlumb Tees		2	4
15mm PolyPlumb Spigot Elbows		2	4
ZRU (Zonal Regulation Unit)	1	1	1

Solid Floor Single Room Packs	So12Z	So20Z	So30Z
Product	Qty	Qty	Qty
Screeded Solid Floor Panels	12	20	30
15mm x 100m Pipe Coil	1	2	3
Edge Insulation	1	1	2
Pipe Stiffeners	1	1	1
15mm PolyPlumb Tees		2	4
15mm PolyPlumb Spigot Elbows		2	4
ZRU (Zonal Regulation Unit)	1	1	1



Renewable Pipe Systems


Polypipe offers a range of pre-insulated pipe systems, which provide flexibility, durability and availability when required.

These systems meet the growing demand for products that are suitable for renewable heat sources such as remote boilers and heat pumps. Installation is fast and easy, requiring just a single lay of the flow and return pipes, which are both contained in a single casing. The inner water bearing pipes are PEX barrier pipes, which are contained in a corrugated HDPE outer casing.


Polypipe pre-insulated pipes are fastened using brass mechanical clamp fittings, which require no special tools or equipment.


Renewable Pipe Systems

Pre-Insulated Pipes

Pipes (Twin Pipe Coil) Outside casing 160mm (OD) Bend radius 0.5m	Pack Qty.	Code No.	
25mm x 10m, PE-Xa 2mm x 25mm (OD) 20 DN (ID)	1	INS1025-2-HTG	
25mm x 15m, PE-Xa 2mm x 25mm (OD) 20 DN (ID)	1	INS1525-2-HTG	
25mm x 20m, PE-Xa 2mm x 25mm (OD) 20 DN (ID)	1	INS2025-2-HTG	
32mm x 10m, PE-Xa 2mm x 32mm (OD) 25 DN (ID)	1	INS1032-2-HTG	
32mm x 15m, PE-Xa 2mm x 32mm (OD) 25 DN (ID)	1	INS1532-2-HTG	
32mm x 20m, PE-Xa 2mm x 32mm (OD) 25 DN (ID)	1	INS2032-2-HTG	


Max operating pressure: 6 bar. Max fluid temperature: +95°C. PE-Xa pipes: SDR 11. Carrier pipes are individually identified as flow and return.

Dust Cap	Pack Qty.	Code No.	
160mm x 25mm Dust Cap	1	INS160-25-2DC	
160mm x 25mm Dust Cap	1	INS160-32-2DC	


Heat Shrink Cap	Pack Qty.	Code No.	
160mm Heat Shrink Cap	1	INS160-3225-2HSC	


Insulation Kit For Coupler	Pack Qty.	Code No.	
160mm (OD) to fit outside casing, 1000mm (L) 180mm (OD)	1	INS160IKC	

Kit comprises a smooth black HDPE pipe, rock wool insulation, 2 shrink sleeves, adhesive tape and assembly instructions. Heat shrinkable cap to be ordered separately.

Male Couplings For PEX pipe	Pack Qty.	Code No.	
25mm (OD)/2.3 (w/t) thread ¾"	1	INS25MC-HTG	
32mm (OD)/2.9 (w/t) thread 1"	1	INS32MC-HTG	

Max operating pressure: 10 bar. Max fluid temperature: +95°C. PE-Xa pipes: SDR 11.

Female Couplings	Pack Qty.	Code No.	
25mm, thread ¾"	1	INS25FC-HTG	
32mm, thread 1"	1	INS32FC-HTG	

Fix Points	Pack Qty.	Code No.	
25mm, thread ¾" FF	1	INS25FP-HTG	
32mm, thread 1" FF	1	INS32FP-HTG	

Fix points must be installed to absorb the possible effects of thermal expansion/shrinkage of the PE-Xa transport pipe. The non application of fixed points may result in serious damage to pipes, joints and buildings.

Standards & Polypipe Guarantee Information

Polypipe meets, and constantly strives to exceed, the changing laws and regulations governing our operations and products. We have invested in extensive testing and development facilities to ensure the products we supply are of the highest quality. Our plumbing systems conform to a number of 3rd party accredited standards which are listed below.

British Standard Class S rated to BS7291 Part 1 and Kitemark Licence Number 38148 to BS7291 Part 1 & 2



PolyPlumb polybutylene barrier pipe, fittings and accessories are covered by BBA Certificate No 00/3699



Listed in the WRAS Water Fittings and Materials Directory



Standards Manufacturing Quality Assurance - in accordance with BS EN ISO 9001 (BSI registered firm Certificate FM00318)



British Gas has accepted the Polypipe 'PolyPlumb' & 'PolyFit' Class S polybutylene pipe systems as being acceptable for open vented and sealed central heating systems and are eligible for acceptance onto Home Care Central Heating System Cover

At Polypipe we pride ourselves on offering the highest quality products, and wherever possible our products and processes are covered by independent third-party accreditation, so you can rest easy knowing that you are buying from the UK's market leading manufacturer. We have invested significantly in our quality control procedures, have our own fully-equipped modern laboratory for development and analysis, and also have our own tooling and extrusion processes.



P.B.P.S.A. - Polypipe Building Products is a member of the Polybutylene Piping Systems Association which is a recognised association of companies whose aim is to promote the features, benefits and best practice installation techniques of polybutylene pipe systems as well as providing a wide range of technical information and support. The P.B.P.S.A. web site can be found at www.PBPSA.com.

Installation Standard

Installation must follow the requirements of BS5955 - PART 8 2001 Plastic Pipework (Thermoplastic Materials).

Guarantee

Polypipe guarantees for 25 years against defects in materials or manufacture of the PolyPlumb and PolyFit hot and cold water supply and heating systems from the date purchased.

This guarantee only applies if the products are installed in accordance with the manufacturers recommendations and are used in a normal domestic operation.

A normal domestic operation is defined as a residential property and excludes commercially run residential properties e.g. care homes and is also defined as being part of an open vented or sealed central heating system, direct or indirect single pipe hot water supply or mains or tank fed cold water supply system.

The system must be designed, installed and operated within the temperature and pressure ratings as defined in BS 7291 Class S which are also published in the manufacturer's literature and must also take account of all the other exclusions and limitations as defined in the design, application and installation guidance provided by the manufacturer.

Exclusions apply, please contact the manufacturer for further details at International@polypipe.com

Underfloor Heating Pipe (UFH) and MCP

Underfloor Heating Pipe (MCP)

- Application Classes

The Polypipe UFH and MCP underfloor heating pipes have been tested in accordance with BS EN ISO 15876-1:2003 and BS EN ISO 21003-1:2008 respectively at a maximum design pressure of 10 bar for application class 4 - **Underfloor heating and low-temperature radiators only**. The maximum operating temperature of these pipes is **60°C**.

These pipes are **NOT suitable for potable cold water or domestic hot water services**.

The following information is designed to provide basic guidance for installers and specifiers when selecting Polypipe products. The information is not exhaustive and guidance may change dependent on site conditions and applications. If in doubt please contact our Technical Services Department at international@polypipe.com

Service Conditions

Grey and White Plumbing and Heating Pipe, PolyPlumb, PolyMax, PolyFit and PolySure fittings are suitable for the following Class S service conditions in a normal domestic operation (subject to the exceptions referred to in note 2 below):

(Continuously operated ring main installations are excluded from these applications.)

	Nominal system flow temperature Tf °C <small>(see explanatory note 1 below)</small>	Maximum system service temperature Ts °C <small>(see explanatory note 1 below)</small>	System malfunction temperature Tm °C <small>(see explanatory note 1 below)</small>	System maximum working pressure bar
Indirect cold water systems	20	20	-	3½
Direct mains-fed cold water systems	20	20	-	12½
Subsurface heating systems (including Underfloor)	60	83	100	3½
Vented hot water supply systems	65	83	100	3½
Unvented hot water supply systems including instantaneous heaters and/or incorporating storage	65	95	100	6
Vented central heating systems	82	95	100	3½
Sealed central heating systems	82	105	114	3

Application Information

Note 1:

- nominal system flow temperature T_f is the intended maximum flow temperature of a system for a particular application as recommended in codes of practice and other guidance documents
- maximum system service temperature T_s is the maximum service temperature that can occur intermittently during normal operation
- system malfunction temperature T_m is the maximum temperature likely to be applied to pipes and fittings in the event of control thermostat failure or malfunction

Note 2:

- certain fittings in the PolyPlumb, PolyMax and PolyFit ranges are not suitable for all the Class S service conditions. The limitations are indicated against every applicable fitting in the Trade Price List e.g. "Cold Water Only".

Connections to other materials

Connection to Imperial Copper using PolyPlumb

Imperial $\frac{3}{4}$ " copper pipe is of significantly different size to its metric 22mm counterpart and therefore requires a different 'O' ring to that supplied in the 22mm fitting. The 22mm 'O' ring should be replaced with a $\frac{3}{4}$ " 'O' ring (PB9034). Standard 15mm fittings can be connected to Imperial $\frac{1}{2}$ " copper pipe, and 28mm fittings can be connected to 1" copper pipe.

Connection to Irish copper pipe

Irish copper pipe to IS238:1980 can be connected to PolyPlumb fittings which incorporate the $\frac{3}{4}$ " or 1" adaptor set. Using a standard 22mm or 28mm PolyPlumb fitting, remove the nut and socket components and discard. Replace these parts with the relevant adaptor set, $\frac{3}{4}$ " - PB7034 or 1" - PB701. The adaptor sets are distinguishable by the black cap nut.

Connections to chrome plated and stainless steel pipework

PolyPlumb, PolyFit and PolyMax fittings should not be connected directly to chrome plated copper pipes or stainless steel pipes. To connect to these pipes we recommend the use of a compression coupler. A pipe stiffener should be used when connecting Polypipe Grey and Polypipe White pipe to a compression fitting.

Connecting PolySure press fit fittings to copper

PolySure press fit fittings have been designed specifically to fit to Polypipe grey and Polypipe white polybutylene pipes. To connect to copper pipes we advise the use of a PolySure press fit x BSP male or female adaptor, with the corresponding adaptor being used on the copper side from the PolyPlumb or PolyFit range. PTFE tape should be used to seal the mating brass components.

Connections close to capillary fittings

Capillary fittings should preferably be completed prior to the use of Polypipe fittings. Where this is not possible, care should be taken to ensure that flux or solder does not come into contact with plastic pipes or fittings. A damp cloth should be wrapped around the copper pipe close to the nearest plastic pipe or fitting to ensure against damage by conductive heat. Pipework should be flushed to clear flux before active use.

Application Information

Connections to incoming cold water supply

There are two options for connecting incoming MDPE mains water service pipe to Polypipe Plumbing and Heating Systems. Firstly the push fit x compression adaptors provide a one piece transition fitting covering connections from 20mm, 25mm and 32mm MDPE service pipes to 15mm, 22mm and 28mm polybutylene pipes and most sizes are available in both Polypipe Grey and White versions. Secondly, as there is a requirement for a stopcock on the incoming main there is also a combined stopcock and adaptor which reduces the number of fittings required in a position where there is often limited space e.g. under a kitchen sink. These products allow connections from 20mm or 25mm MDPE pipe via a compression end to 15mm or 22mm polybutylene using a push fit connection.

Gas, oil, and compressed air

Polypipe systems are suitable for domestic plumbing and heating systems. Pipes and fittings must not be used for gas and oil supply pipework or compressed air pipework. In all the above instances metal pipework should be installed.

Continuously operated re-circulating systems (Secondary Hot Water Circulation / Ring main installations)

A continuously operated re-circulating system is a water-replenished circulating system which is maintained at a constant high temperature to provide a constant source of hot water. Continuously operated re-circulating systems are used to distribute constant hot water to wards or rooms that may be distant from the heat source or hot water storage vessel. Locations where continuously operated re-circulating systems are used include, but are not limited to, residential care homes, hospitals and hotels. Continuously operated re-circulating systems are very different from conventional hot water supply and central heating systems found in domestic properties, for which our products have been tested to, under either BS 7291 Class S or WRAS approval standards, and for this reason PolyPlumb, PolyMax, PolyFit or PolySure must not be used on any continuously operated re-circulating systems. Some secondary hot water circulation systems are used intermittently, controlled by time and/or temperature thermostats. This application is also unsuitable for products manufactured to BS 7291.

Re-cycled rainwater systems

Polypipe products can be used in systems conveying re-cycled or harvested rainwater within domestic properties. All pipe work used in this type of system should be clearly identifiable and this should be carried out in accordance with WRAS Information and Guidance Note No 9-02-05; Marking and Identification of Pipework for Reclaimed (Greywater) Systems. If self adhesive labels are to be used, these should not be applied directly to the pipe.

Chlorine and other additives

The polybutylene material used in Polypipe Plumbing and Heating Systems is WRAS approved. It is resistant to the buildup of scale. Normal levels of chlorine in UK domestic water supplies will not have an adverse effect on Polypipe Plumbing and Heating Systems.

However Polypipe Plumbing and Heating Systems are not suitable for systems in which any further additives are ever added, periodically added, or regularly dosed in to or additional to the normal UK mains water supply, for example chlorine for swimming pools or those used for bacteria control or legionella prevention. Systems must not be flushed through with anything other than water from the normal UK mains water supply or a cleaning product at the correct concentration that is specifically recommended for plastic piping systems.

The use of corrosion inhibitor in central heating systems is acceptable provided that the inhibitor is specifically designed for plastic piping systems and guidance on their suitability should be sought from the inhibitor manufacturer prior to adding to the system.

Electrical Safety / Equipotential Bonding

Where Polypipe pipes break the continuity of existing metal pipe, which may be used for earthing, or bonding this continuity must be re-instated by affixing permanent earth clips and a section of earth cable between the copper ends on either side of the plastic sections. Both the IEE and the Chartered Institute of Plumbing and Heating Engineers now give guidance on the Earth Bonding requirements of Plastic Pipe systems. As plastic pipes do not conduct electricity, installations generally require less equipotential bonding than metal systems although if in doubt exact guidance should be sought.

Light

Polypipe Plumbing and Heating Systems should be protected from UV light. Standard decorating paints form adequate protection. Pipe insulation forms adequate protection for external use. Polypipe products are delivered in light protective packaging.

Compatibility with other substances

For details of compatibility with building and cleaning substances, and treatments (e.g. filler foam and wood worm treatments) please consult the relevant manufacturers to confirm suitability with Polybutylene. Polypipe Plumbing and Heating Systems pipes and fittings can be painted using emulsion or undercoat and gloss. Cellulose based paints, strippers or thinners must not be used.

Vermin

There is no evidence to suggest that Polypipe Plumbing and Heating Systems attract vermin. Where vermin are present they can cause damage to other services, building fabric and pipes and fittings, and therefore a qualified pest controller should be employed to remove vermin from the affected area.

Connections to other equipment

Boilers and appliances:

All boilers and appliances must have safety devices such as thermostatic controls, cut-outs and pump over-run protection to make sure that they cannot operate above the Class S working temperature and pressure limits set out in the table of Class S service conditions above. Exposure to conditions in excess of those specified could result in failure of the pipes or fittings with the potential for serious injury.

Gas Boilers:

Pipe should only be connected to gas boilers where the pipe connection is outside the boiler casing and where the boiler incorporates a high limit thermostat and pump over-run facility. The pipe connections should be 350mm from the heat source. In all other situations, a section of metal pipe should be at least 1m in length. In addition for back boilers metal pipe work should be used within the fire opening extending out of the chimney brickwork.

Combination Boilers:

Where system connections are made to an incoming water supply pipe from a water meter or any other device which contains a check valve a suitable expansion vessel must be fitted to prevent the expansion of heated water back down the supply pipe. This is especially important where a water meter is fitted retrospectively.

Solid Fuel Boilers & Cooking Ranges

Pipes and fittings must not be used for primary or gravity circuits from solid fuel boilers, cooking ranges or other uncontrolled heat sources.

Solar Panels / Systems

Pipes and fittings must not be used for connection of solar panels or any part of solar distribution that operates above the Class S working temperature and pressure limits set out in the table of Class S service conditions above.

Oil Fired Boilers

Open Vented Central Heating Systems:

The use of plastic pipe and fittings is acceptable when used in oil fired installations where the boiler is connected to an open vented system, however the first metre of primary pipework from the boiler connections must be installed using metal pipe. The boiler must be suitable for this type of application and all relevant safety features as supplied and fitted to the boiler must be checked for correct operation. The system must also be commissioned in accordance with the boiler manufacturers instructions.

Plastic pipe and fittings can also be used in the hot and cold water and underfloor central heating systems with the exception of continuously operated re-circulating systems (see page 80) where plastic pipe and fittings should not be used.

For further information regarding the suitable applications for our plastic pipe and fittings please refer to the Class S Service Conditions table as shown on page 80 of this publication.

Sealed Central Heating Systems:

Where a sealed system oil fired boiler is to be used all primary boiler pipework to and from the hot water cylinder (if fitted) and any radiator or towel rail circuits must be installed using metal pipe and fittings.

Plastic pipes can be used on underfloor central heating systems where the plastic pipes are fitted after the UFCH control unit and manifold arrangement which must contain a correctly operating thermostatic mixing valve.

Plastic pipe and fittings can also be used in the hot and cold water system with the exception of continuously operated re-circulating systems (see page 80) where plastic pipe and fittings should not be used.

All relevant safety features as supplied and fitted to the boiler such as the boiler temperature control thermostat, high limit thermostat, pump overrun facility and the pressure and temperature relief valve must be checked for correct operation at both installation stage and at any subsequent boiler service intervals. The system must also be commissioned in accordance with the boiler manufacturers instructions.

For further information regarding the suitable applications for our plastic pipe and fittings please refer to the Class S Service Conditions table as shown on page 80 of this publication.

Use of aluminium tape

To comply with the NHBC guidelines regarding detection of pipes in wall cavities Polypipe recommends the use of aluminium tape. This tape should be applied directly to the wall sub-structure and pipes should be clipped on top of the tape. The tape must not be applied directly to the pipes.

“Dot and dab” walling

Dry lined or “dot and dab” walls are commonly used to speed up the build process and Polypipe systems are compatible with these types of constructions. Board adhesive or plaster should not be applied to Polypipe pipe and fittings especially around the area where the pipes pass through the wall to feed radiators and appliances. Pipes and fittings must remain accessible should future maintenance be required.

Handling and storage of products

The packaging of both pipes and fittings is designed to protect from ultraviolet light and environmental contamination. Pipes and fittings should therefore be retained in their packaging as long as possible, and should be stored in a cool dry area.

When on site, fittings should be stored to prevent dust and debris from entering the fitting and sticking to the pre-lubricated ‘O’ ring. Care should be taken to avoid scratching the pipe surface during the handling, storage and installation processes.

Insulation of pipework

If pipe and fittings are installed in an environment that is not heated or alternatively outside, they should be protected from potential frost damage in accordance with BS6700 and BS5422.

System testing

Pressure testing of the pipe system is essential however a successful pressure test using the following steps is not a guarantee of complete and correct installation and only ensures that pipes have been inserted into fittings passed both the ‘O’ ring and the grab ring. If pipes have been scored or scratched during the installation process a high pressure test as below may not highlight these issues.

1st fix Installations

Step 1:

Pipe and fittings only should be tested. The system should be filled completely using water not more than 20°C at a test pressure of 18 bar which should be applied for not less than 15 minutes and no longer than 1 hour. Joint security can be checked visually and by tugging at joints.

2nd fix Installations

Step 2:

Complete installations including appliances should be tested with water to the maximum pressure allowed by the manufacturers of the appliances and fittings. Please note, due to health and safety reasons pipework installations must not be air tested.

Pressure testing in sub zero temperatures

Special precautions are necessary if the pressure testing is to take place in sub-zero temperatures.

This applies particularly in underfloor central heating systems using the screeded floor system where most of the pipe is encased in concrete. Due to the contact between pipe and floor panel on screeded installations, where the screed does not completely surround the pipe, there may be points where strain is created on the pipe in freezing conditions which is not normally present.

Therefore it is advisable to drain the under floor central heating system once testing and screeding has been completed.

Precautions should also be taken where installations contain large quantities of fittings which due to the rigidity of their construction may put undue pressure on the pipe.



Polypipe Plumbing & Heating Product Guide for International Markets



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