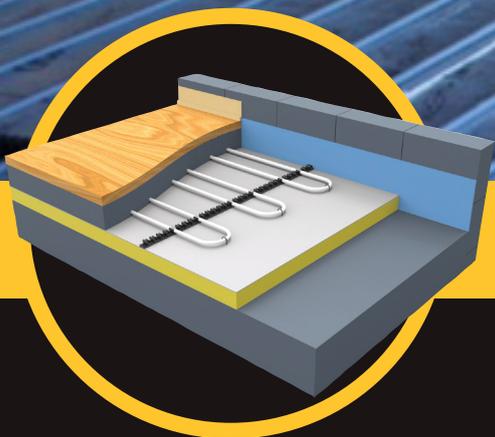


FB BUTELINE™ PLUMBING SYSTEM



COSY HOME UNDERFLOOR HEATING SYSTEM



Heating Homes All Around The World

THE
UK'S FINEST
PLUMBING SYSTEM

WRAS
APPROVED
PRODUCT



www.buteline.com

About Buteline

Buteline™ was developed and established by its founder, the late David J. Picton, in 1980 taking a small family business to a dynamic international company.

In that time Buteline has designed, engineered and manufactured a world-acclaimed plumbing system for use with potable hot and cold water, central heating and underfloor heating, truly creating one system for all plumbing and heating needs.

Buteline has manufactured enough Polybutene-1 (PB-1) pipe to encircle the globe over four times. **This confirms that Buteline is a true global market leader in plumbing systems.**

Buteline focuses solely on the plumbing industry, with an absolute focus on remaining world leaders in plumbing systems' technology.

Buteline has become an **international company** now doing business in many countries including **New Zealand, Malaysia and the United Kingdom.**

Buteline's unique press-fit system is now being used by many of the UK's National & Regional Housing Developers, local Authorities & Housing Associations, the super slimline fittings eliminate the need for O-rings, grab rings or costly pipe inserts and has no moving parts. The quick and simplistic installation process creates a professional joint that doesn't leak and is revolutionising the role of the installer, Architect and Consultant alike, providing them with the quickest, competitive solution to a secure leak free environment, whilst improving the commercial profitability of their businesses and vastly improving the quality of their installations.



Why Choose Buteline CosyHome?

WHY UNDERFLOOR HEATING?

By using an underfloor heating system it is possible to create indoor environments that offer exceptional comfort for occupants and offer energy saving efficiencies too.

The radiant heat created at floor level is distributed evenly into the room for maximum comfort compared to radiators which heat the room by convection and create warm pockets of air.

Some of the benefits of UFH:

- ✓ Gives complete freedom for interior design, perfectly supporting minimalist styling with clean, uncluttered lines, open-plan living and no restrictions on furniture positioning.
- ✓ The lower water running temperature requires less energy, reduces heating bills and lowers CO2 emissions.
- ✓ Continuous loops of pipe in the floor promotes the smooth flow of water around the system, minimising noise for a more comfortable environment.
- ✓ Lower running temperatures make underfloor heating ideal for use with renewable technologies.

WHY BUTELINE COSYHOME?

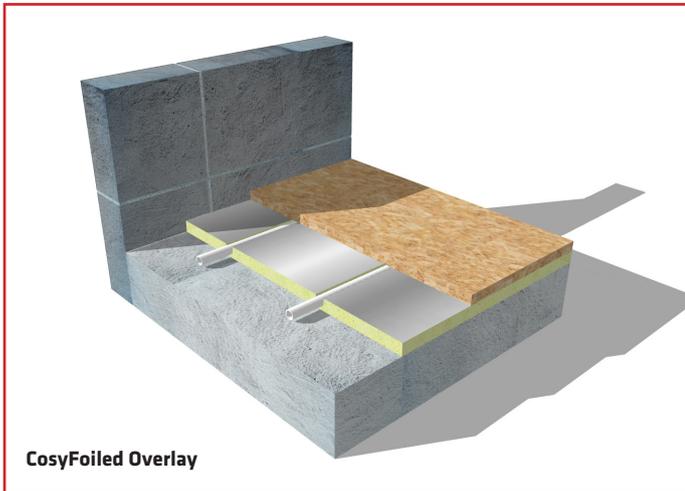
Key advantages:

- ✓ Part of Buteline's portfolio of quality products.
- ✓ CosyHome can be used in conjunction with Buteline's globally acclaimed plumbing system providing the homeowner with security and peace of mind as standard.
- ✓ Offering a full free design and quotation service.
- ✓ Providing a full guarantee with after sales support.
- ✓ Many types of floor systems to suit various floor construction types.
- ✓ Various control options to suit the home owners needs from hard wired to the latest app controlled wireless technology.
- ✓ Buteline's PB-1 pipe is highly thermally efficient allowing the heat to be retained in the floor for longer, providing the home owner with energy savings and reduced running costs.



Floor Constructions

Here are some of the system configurations we offer at Buteline.



CosyFoiled Overlay

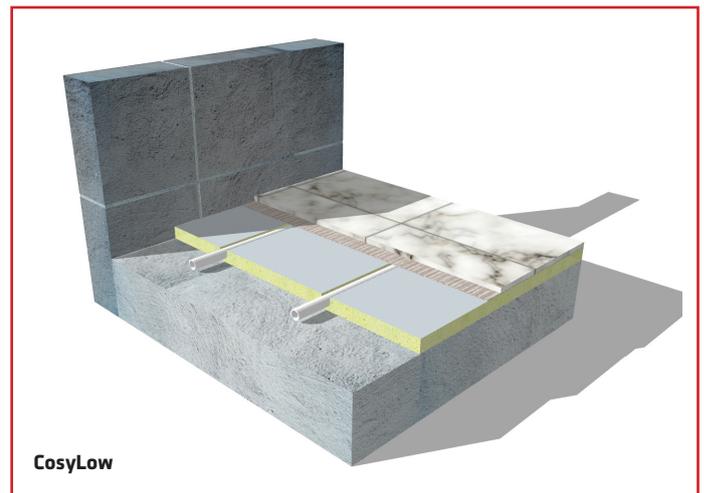
CosyFoiled Overlay

20mm XPS foiled overlay board. Lightweight 1200 x 600 x 20mm foiled back board. Finished with a minimum of 6mm of ply, suitable for use with most final floor applications.

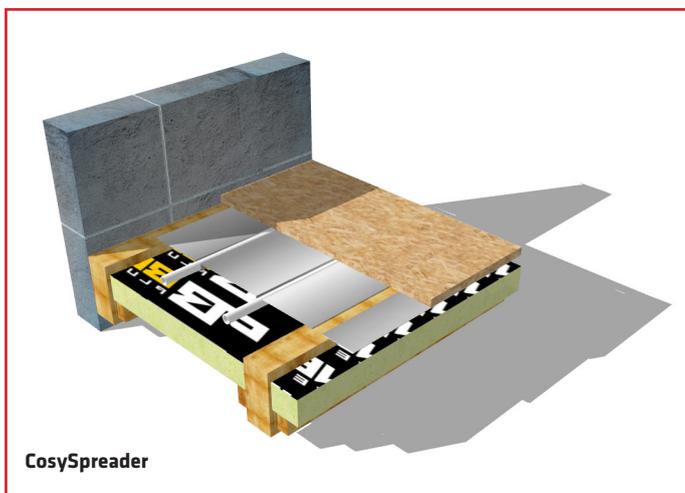
CosyLow

A low profile board for 10mm and 16mm pipe. This system is suitable for retrofit installations as you can lay most finished flooring directly on top.

15mm Tile backer overlay, suitable for 10mm pipe, board size 1200 x 600 x 15mm. Suitable for 16mm pipe, board size 1200 x 600 x 20mm.



CosyLow



CosySpreader

CosySpreader

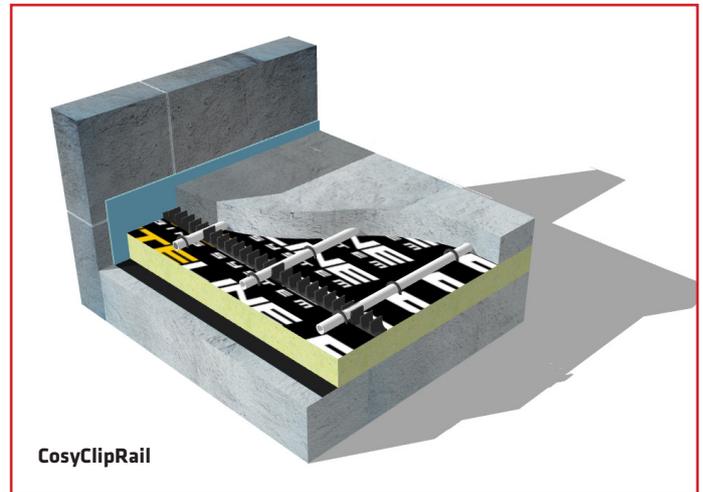
Spreader plates system, heat diffuser plates for timber floor to be fitted to the joists, available in 400mm and 600mm widths. Suitable for any floor within timber frame construction.

Available in 150mm and 200mm pipe centres.

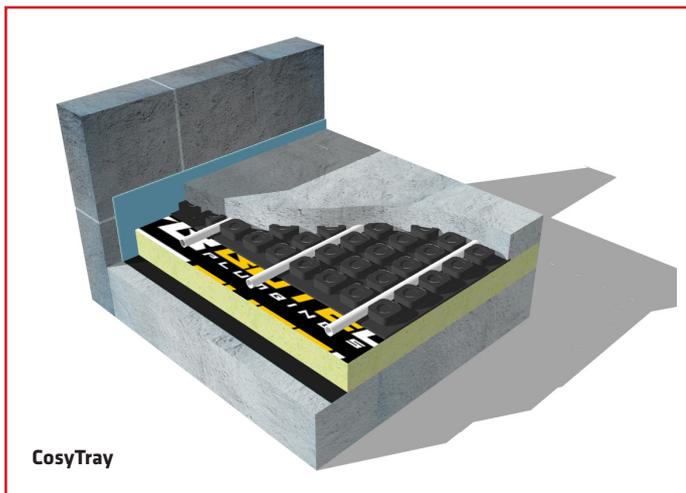
Floor Constructions

CosyClipRail

Self adhesive clip rail system for use with floor screed.
(Sand and cement screed: minimum of 65mm thickness and a maximum of 75mm thickness. Liquid screed: minimum of 50mm thickness and a maximum of 60mm thickness).



CosyClipRail



CosyTray

CosyTray

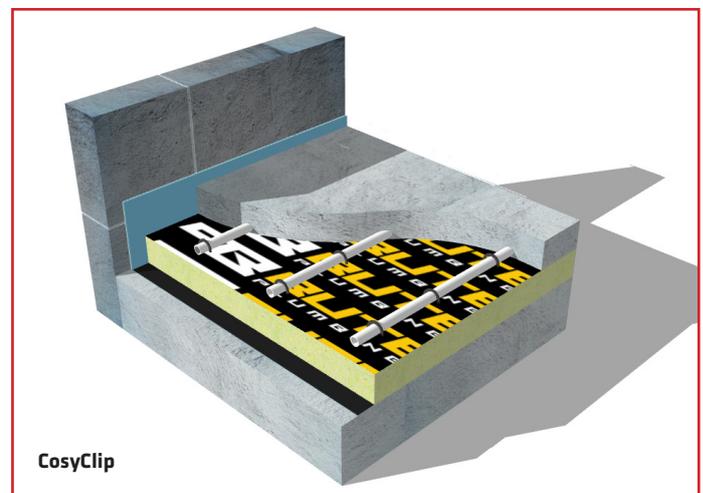
Castellated Eggtray System. An easy lay system allowing choice of pipe centres (150mm – 200mm) for use with floor screeds.

(Sand and cement screed: minimum of 65mm thickness and a maximum of 75mm thickness. Liquid screed: minimum of 50mm thickness and a maximum of 60mm thickness).

CosyClip

Staple System. The most cost effective screed solution, simply lay your pipe on top of the insulation and staple clip.*

(Sand and cement screed: minimum of 65mm thickness and a maximum of 75mm thickness. Liquid screed: minimum of 50mm thickness and a maximum of 60mm thickness).



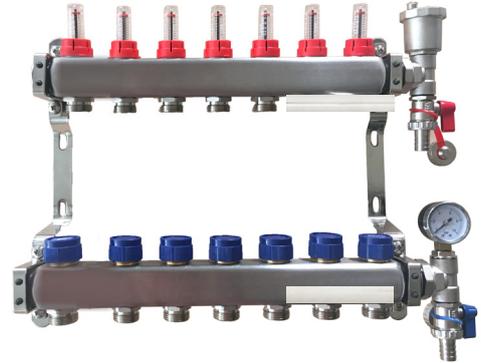
CosyClip

*Nail/Clip gun and decoiler are available to purchase separately.

Components & Temperature Controls

WATER TEMPERATURE CONTROLS

Generally, underfloor heating systems will run at lower temperatures than traditional radiator systems meaning that water blending controls like our Buteline Pump Set are required; this is used in conjunction with a manifold which provides centralised access and distribution. The manifold allows for every loop of UFH pipe to be connected to and from this central point in a single continuous length without the need for fittings.



MANIFOLDS

Our manifolds are high quality Nickel plated brass manifolds pre-assembled for immediate mounting. (These manifolds can also be used for radiator installations).

Available in 2 - 12 port sizes (each port connects a loop of UFH pipe) and complete with - Isolating ball valves, adjustable flow meters, fill and drain points, automatic air vents and pipe connectors (16x2mm unless otherwise specified).

Key features:

- Available in 1", from 2 to 12 port with integrated flow control valves.
- Manifold flow and return bars are offset for space saving and ease of pipe installation.
- Ball valves, fittings and pipe connectors for a wide range of pipe types and sizes are also available.

PUMP SETS

The Buteline 'A' rated pump pack provides temperature controlled water mixing to your underfloor heating manifold.

Capable of heat output up to 15kW. Specifically designed to be lightweight and compact, our packs connect directly to your manifold with no need for additional wall mounting brackets. Including an "A" rated pump, blending valve and manifold adaptors, our pump pack makes for a straightforward and reliable installation.

Key features:

- Provides adjustable water blending for the most efficient system.
- Adjustable between 35°C to 65°C (Set at 45°C).
- Outputs up to 15kW.

AIR TEMPERATURE CONTROLS

At Buteline we offer a wide range of controls to create a comfortable indoor environment. An advantage of using manifold based underfloor heating is the possibility for each individual room in the building to have its own thermostat and individual temperature control allowing the user to tailor the heating in the building to suit their needs and save money on heating costs.



NEO SMART THERMOSTATS

With our app controlled heating system the user can access from anywhere in the world. We offer a range of options within the Neo range:

The Heatmiser **neoStat** is 230V powered and able to operate in Timer or Heating Mode and can be used with remote sensors.

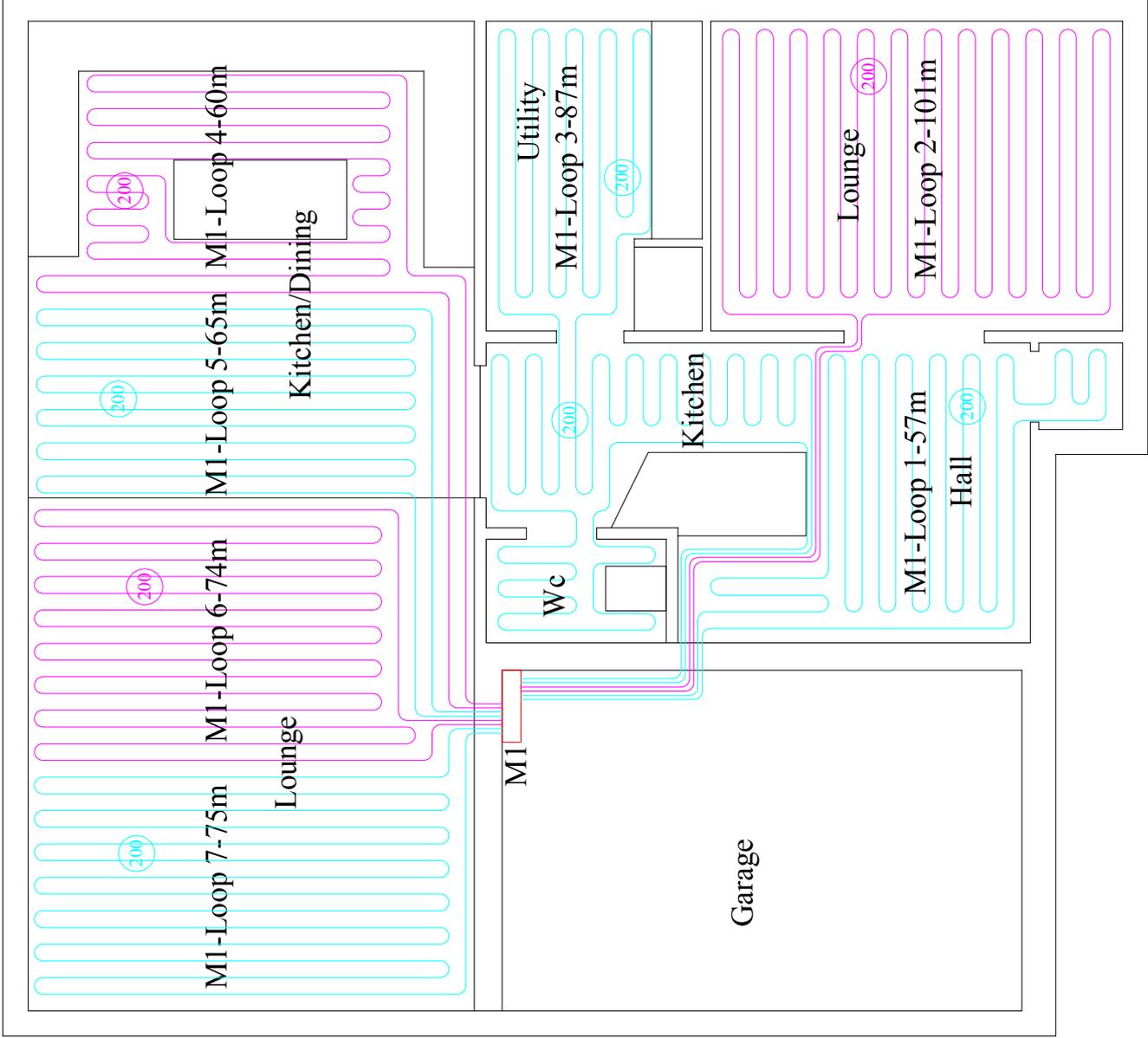
The **neoAir** is ideal for those looking for a totally wire free App controllable solution for your heating & hot water.

HEATMISER SLIMLINE THERMOSTATS

The Heatmiser Slimline is a 230V powered Thermostat and is the ideal upgrade route for those with an existing mains powered thermostat.

The Slimline Thermostat can be set to work as a non programmable, 5/2 day or 7 day programmable thermostat.

Example Of A Typical Installation Plan



Manifold No 1

System Running Temperature 45° C

Loop No	Length (metres)	Pipes Centres (mm)	Room Name	Room Area (m2)	Flow Rate ltr./min.	Room Output (W)
1	57	200	Hall	15	1.29	825
2	101	200	Lounge	18	2.28	990
3	87	200	Utility/Wc	20	1.96	1100
4	60	200	Kitchen/Dining	16	1.35	880
5	65	200	Kitchen/Dining	16	1.47	880
6	74	200	Lounge	16	1.67	880
7	75	200	Lounge	17	1.69	935
Total Pipe	519		Total Area (m2/floor)	118	11.72	6490

Project: 33834 GF A

Buteline Design

Scale: 1:50

Date: 14-04-2022



