

## Material Specifications and General Notes

Durapipe UK offer PLX; A high performance, fusion welded, multilayered PE pipe system, supplied as a Secondary Containment product range.

PLX is a specialist range of pipe and fittings specifically designed for safe transfer of fuel based liquids. The product ranges offers two different types of Secondary Containment systems;

**Close-Fit** – size ranges 32#40, 50#63, 63#75mm for below ground applications.

**Pipe-In-Pipe** – size ranges 32#63, 50#90, 63#110, 90#160, 110#160mm for above and below ground applications.

**Primary Pipe sizes 32-315mm available upon request.**

### Quality and Environment

This brochure includes polyethylene products manufactured by Aliaxis companies.

Durapipe UK operates a quality system, which has been successfully assessed to BS EN ISO 9001.

Durapipe pipe and fittings and valves are manufactured in an environment operating a quality system which has been successfully assessed to UNI-EN 29002 ISO 9002.



### Dimensions and Standards

Products are made in accordance with the following Standards:

**Pipes** DIN 8074, 8075, OFTEC, EI, UL971v1

**Fittings** BS EN 1555, OFTEC, AREL (Transitions), EI, UL971v1

Threaded transition fittings conform to the nominal requirements of BS 21/DIN 2999/ISO 7 specifications. Male and Female threads are tapered.

Flanged drillings conform to the nominal requirements of BS4504, Din2501 Table 10 and Table 16.

### Materials

All products are made from virgin polyethylene of high density (PE80 or PE100). The pipe is a composite material co-extruded with a protective liner using the latest extrusion technology, resulting in consistent and technically superior performance. A wide range of electrofusion fittings ensure this system is easy and quick to use and install. Electrofusion technology works on the principle of an electric heating coil within the socket melting material within the fittings, causing the surface of the pipe to melt. When molten material cools it establishes a strong weld between the fitting and the pipe.

### Colour

The PLX material is dual coloured due to its composite and secondary containment nature. Please find breakdown of each system:

**Close-Fit** Primary – Polyethylene black with protective barrier layer.  
Secondary outer pipe – Polyethylene green with Polyethylene primary pipe.  
Fittings – Polyethylene black.

**Pipe-In-Pipe** Primary – Polyethylene black with protective barrier layer.  
Secondary outer pipe – Polyethylene black with Polyethylene primary pipe.  
Fittings – Polyethylene black.

### Pressure

Durapipe PLX Primary pipe has a maximum pressure rating of 10bar at 20°C. Durapipe PLX Secondary pipe has a maximum pressure rating of 4bar at 20°C.

### Electrofusion Joining

Components in PLX pipework systems must be welded by electrofusion techniques. They are not suitable for joining with cold solvent cements used with other Durapipe UK systems.

For details regarding joining equipment, please contact your Durapipe representative or our Technical Support Department.

### Interstitial Monitoring

PLX pipe closures seal the secondary and primary pipes allowing for periodic pressure testing of the interstice. On remote or unattended installations leak detection systems can be installed to continuously monitor for accidental losses and system damage.

### Flanges and Gaskets

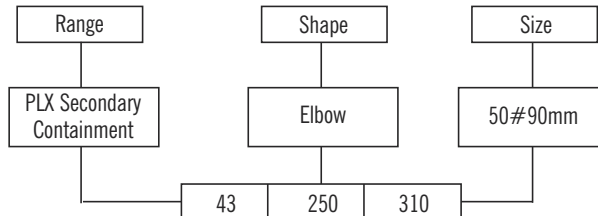
All flanges are designed to be used in conjunction with the appropriate mild steel backing rings. These are available to match drillings to BS10 Table D, BS4504 Table 10/16 and ANSI Class 150. All gaskets are FPM.

### Prices

Prices are shown in pounds sterling, exclusive of VAT and subject to alteration without notice.

### Ordering by code

Code numbers should be used when ordering products eg.



### Accessories

Full range of accessories are available on request.

### Abbreviations

The following list of abbreviations is used in this catalogue:

- BS - British Standards
- ISO - International Standards Organisation
- DIN - Deutsche Industrie Normen (German Industrial Standards)
- BSP - British Standard Pipe Thread
- Nitrile - Butadiene Acrylonitrile Rubber
- POA - Prices on Application

Durapipe UK reserves the right to alter specifications without prior notice.

### Technical Information

This document is a price list. The technical information contained is abbreviated. For full technical information please refer to the Durapipe PLX technical brochure. Further technical support and advice is also available from our technical support team on 01543 272445.