

## **THERMO FLEXIBLE PRE-INSULATED PIPE SYSTEM SPECIFICATION**

The buried distribution pipework will be a pre-insulated system supplied and installed by Durotan Ltd.

West House,  
West Street,  
Buckingham,  
MK18 1HE.

T 01280 814048 F 01280 817842 [sales@durotan.ltd.uk](mailto:sales@durotan.ltd.uk) [www.durotan.ltd.uk](http://www.durotan.ltd.uk)

The system will be capable of operating at temperatures to 95°C.  
The maximum operating pressure is 6 Bar.

The flexible pre-insulated pipe system comprises the following:-

### Carrier pipe

*Material: Cross-linked polyethylene (PE-Xa) SDR11*  
*Oxygen diffusion barrier: EVOH*

### Thermal Insulation

*Material: Cross-linked polyethylene (PE-X) foam*

### Casing

*Material: High Density Polyethylene (HDPE) - ribbed*

The carrier pipe will be joined using brass alloy compression fittings with EPDM O-ring. End Connectors will terminate with a male BSP thread.

Fittings at joint positions will be insulated and protected by waterproof site insulation kits.

Watertight access chambers can be used to house isolating valves and connections between single and twin pipes.

The pre-insulated PE-Xa heating pipes and related system components are designed according to BS EN 15632-3.

The Durotan Thermo pipe system is available with the following features:-

- Single and twin pipe options
- 10 Bar option
- Trace heating cable option
- Reduced insulation thickness option (Durotan Thermo Mini Pipe)

Applications:-

- Low Temperature Hot Water Heating (LTHW)
- Primary Hot Water
- Hot Water Service (HWS)
- Chilled Water (CHW)
- Condensate
- Chemicals
- Industrial and commercial fluids