

**CALPEX HEATING FLEXIBLE PRE-INSULATED PIPE SYSTEM  
SPECIFICATION**

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

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The system will be capable of operating at temperatures to 95°C.  
The maximum operating pressure 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: Polyurethane foam (PUR), CFC Free cyclopentane blown*

Casing

*Material: Linear low density polyethylene (LLD-PE)*

The carrier pipe will be joined using brass compression / press fittings. 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 pipes are manufactured in accordance with BS EN 15632-1/-2.

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

- Single and twin pipe options (Uno & Duo)
- 10 Bar option
- Trace heating cable option (subject to requirement)
- Reduced insulation thickness option (subject to requirement)

Applications:-

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