

**BRITISH STANDARDS FOR PRE-INSULATED PIPE**

*Steel System*

District heating pipes – pre-insulated bonded systems for directly buried hot water systems.

**BS EN 253**

Pipe assembly of steel service pipes, polyurethane thermal insulation and outer casing of polyethylene.

**BS EN 448**

Fitting assembly of steel service pipes, polyurethane thermal insulation and outer casing of polyethylene.

**BS EN 488**

Steel valve assembly for steel service pipes, polyurethane thermal insulation and outer casing of polyethylene.

**BS EN 489**

Joint assembly for steel service pipes, polyurethane thermal insulation and outer casing of polyethylene.

**BS EN 13941**

Design and installation of pre-insulated bonded pipe systems for district heating.

**BS EN 14419**

Pre-insulated bonded pipe systems for directly buried hot water networks – Surveillance system.

**BS EN 15698**

Pre-insulated bonded twin pipe systems for directly buried hot water networks.

**BS 7572**

Code of practice for thermally insulated underground piping systems.

*Flexible Plastic System*

District heating pipes – pre-insulated flexible pipe systems.

**BS EN 15632-3**

Non bonded system with plastic service pipes; requirements and test methods.