

- C. Pipe work and fittings shall be manufactured to the requirements of BS EN 545 or ISO 2531 as appropriate.
- D. DI pipe manufacturers shall be certified to ISO 2531 and/ or EN 545 latest additions issued by a recognized third party accredited agency.
- E. Class designation of the socket spigot pipes shall be C30 for pipes in range from DN150 to DN300 and C40 for pipes in range from DN300 to DN600.
- F. Class designation of the double flange pipes and flanged fittings shall be K12.
- G. Double flange pipes and flanged fittings with welded flanges shall not be permitted.
- H. Flanges shall be PN10 or PN16 to BS EN 1092-2. Face of the flanges shall be at right angle to the directional access and shall be concentric with it. Flanges of the fittings shall be integrally casted and rotatable.
- I. Contact between dissimilar materials shall be prevented by the use of suitable washers, bushes and bedding pads so as to avoid galvanic reactions.

Wall, Floor, Slab and Roof Penetrations.

- A. Pipe work passing through concrete walls, floors, slabs and roofs shall have integrally cast paddle flanges as shown on the drawings and shall provide a watertight installation. The coating to the paddle flange shall be similar to that of the pipe/fitting.
- B. Thrust/anchor flanges shall be used where pipework or fittings are cast into walls etc and shall be designed to restrain the installed equipment. Thrust/anchor flanges shall be integrally cast onto the pipe piece as approved by the Engineer. Bolted or screwed on flanges are not acceptable.

Protective Coatings

- A. Selection of the internal coating shall be made based on water properties and manufacturer recommendations. Internal coatings shall comply with BS 6920 requirements.

Table 1-3: Nominal thickness of polyurethane (µm)

DN	Nominal thickness of polyurethane (µm)
100 - 600	1500