

- Proposals for repair of any damaged products shall be submitted in writing to the Engineer for approval.
- Any damaged products deemed unsuitable for repair by the Engineer shall be removed from site and replaced.

19.2 Part 2 Products

19.2.1 General Requirements

- A. Pipe work and fitting materials and coatings shall be suitable for their intended use, shall be internally chemically resistant to the conveyed fluid and any gasses produced by the fluid and shall externally be chemically resistant to the surrounding environment.
- B. Pipe work and fittings shall be manufactured to the requirements of BS EN 598.
- C. Class designation of the socket spigot pipes shall be K9 or C30 for pipes in range from DN150 to DN300 and C40 for pipes in range from DN300 to DN600.
- D. Class designation of the double flange pipes and flanged fittings with integrally casted flanges shall be K12.
- E. Class designation of the double flange pipes with welded flanges shall be K9 for body and K12 for flanges.
- F. Flanges shall be 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. Welded flanges shall be permitted only in case of double flanged pipes.
- G. Flanged pipe and fittings shall be factory produced and shall not be fabricated on site.
- H. Bolts, nuts, washers, anchor plates and all fixings shall be of stainless steel grade 316 and shall remain unpainted.
- I. Contact between dissimilar materials shall be prevented by the use of suitable washers, bushes and bedding pads so as to avoid galvanic reactions.
- J. Rubber gasket material shall be in accordance to EN 681-1. This shall not preclude special materials if required. Selection of the gasket material shall be based on the detail investigation including fluid temperature, storm water and subsoil water properties, percentage of hydrocarbons etc. Material selection