

- Any products damaged during delivery, storage and handling shall be marked by the Contractor and set aside.
- 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.

22.2 Part 2 Products

22.2.1 Pipe Design Requirements

- A. uPVC pipe shall conform to BS EN ISO 1452 and shall be PN16 / PN10.
- For gravity pipelines with cover depths less than 6 m, pipes class 10 will be used.
 - For gravity pipelines with cover depths more than 6 m, pipes class 16 will be used.
- B. Pipes up to 90 mm nominal diameter shall have solvent welded joints and pipes of 110 mm and above diameter shall have rubber ring sealing.
- C. All uPVC fittings shall be ISO/DIN specification and have a minimum rating of 16 kg/cm² at 20 °C.
- D. Fittings shall be suitable for use with the above specified pipes. Where uPVC flanges are required these shall be drilled to PN16 as detailed in BS EN 1092.

22.2.2 Pipes and Fittings

- All uPVC components shall be designed and fabricated by one manufacturer.
- Use polyvinyl chloride, together with those additives that are needed for the manufacture and performance of pipe to this section of the standard specification. Pigments may be added to achieve the manufacturer's nominal pipe colour.
- Provide uPVC pipes and fittings capable of withstanding the working pressure, test pressure, and the loading specified.
- Recycled material shall not be used.
- Supply pipes in straight lengths of not greater than 6 metres excluding the depth of any socket.