

- a) Perform an internal hydraulic burst pressure test for minimum 1 pipe specimen or 360 meters, whichever comes first of pressure pipes produced.
- b) Burst pressure shall be more than 4 times the pressure rating of the Pipe. Testing is to be carried out as per relevant standard.
- c) In addition to the above.
 - i. Maintain at test pressure the first pipe and thereafter every 360 meter of pressure pipe of each diameter produced for a minimum of 4 hours without signs of leakage.
 - ii. Perform an internal low pressure air test for every pipe fitting at the manufacturer's works prior to delivery. Apply a test pressure of 0.1 bars for a minimum period of 5 minutes without signs of leakage or distress. Manufacture fittings which are of mitred construction from pipe which has successfully passed the tests defined above.
 - iii. For all gravity pipes apply a test pressure of 15m water head (1.5 bars) for pressure pipes apply 1.5 times the design pressure or working pressure plus surge pressure whichever is greater for a minimum period of 5 minutes without a sign of leakage.
- d) Wall Thickness.
 - i. Measure the wall thickness for each pipe and fitting. Maintain the total thickness of nowhere less than the minimum or greater than the maximum quoted by the manufacturer's specification relating to initial stiffness. However, minimum is governed by section 5.1.2 of BS/EN/14364.
- e) Stiffness.
 - i. Test a minimum of one pipe, for every 360 m pipe length manufactured or any pipe length supplied for a project, whichever comes first to determine the initial specific stiffness in accordance with the test method detailed in BS/DIN EN 14364.
 - ii. Test a minimum of one pipe of each class and diameter of pipe.
 - iii. Ensure that no test specimen has an initial specific stiffness of less than as defined in section 2.1.
 - iv. In addition.