

Bacteriological	BOD not less than 700 mg/l
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\* Volumetric percentages of concentrated chemically pure grade reagents

- If any specimen fails to meet the 112 day physical properties requirement before completion of the 112 day exposure as indicated in Table 24-1, the material will be subject to rejection by the Engineer.
- If such samples of sheet or strips fail the specified test. Reject and remove from project or manufacturers storage yard. Replace such failed pipe with pipe that meets the specified requirements including any pipe that may be tested in its final position and backfilled at no addition cost to the DMAT.

H. RC Pipe External Epoxy Coating

- i. Coat exterior of pipe with an approved solvent free two component epoxy coat for system. All blowholes and surface defects must be filled with a two component solvent free epoxy filler prior to top coating.
- ii. All coated and cured pipe must be protected from UV exposure during storage and during idle periods in construction.
- iii. All damaged areas must be repaired using approved materials.
- iv. Unless otherwise specified use the requirement of section 09900 for the epoxy coating application.

- I. Test specimens taken from welded joints shall be without cracks or separation and must be tested in tension after flexing. Each specimen shall withstand a minimum 60 kg per 25mm of weld, or the product of 140 kg/cm<sup>2</sup> times the minimum thickness in centimetres of the material adjoining the weld, whichever is greater.

### **24.2.2 Pipe Joints for Reinforced Concrete Pipes**

- A. Use flexible spigot and socket type, comply with ASTM C361M. The pipe joint shall be capable of withstanding external pressure equivalent to 10meters head of water without leakage in both the straight and deflected positions.
- B. The internal jointing allowance is the gap between the spigot and the shoulder of the socket measured parallel to the centre of the pipeline and must be capable of unsymmetrical closure in any direction with not more than 25mm opening at the joint and must maintain water tightness at any deflected position within this specified range.