

- 10 Readings of water levels in the structure and trays shall be made and recorded every 24 hours over this period.
- 11 At the end of the test period the leakage rate from the tank shall be computed and corrected for evaporation.
- 12 The acceptance criteria shall be as follows:
 - a. If the average per day for the fall of water level in the structure over a test period of 7 days minus the fall accounted for by evaporation does not exceed 3mm the structure shall be deemed watertight.
 - b. The roofs of water retaining structures shall be watertight and shall be tested on completion by flooding with 25mm minimum depth of water for a period of 24 hours.
- 13 The roof shall be considered satisfactory if no leaks or damp patches show on the soffit.
- 14 Where it is not practicable to flood the roof an alternative form of testing shall be agreed with the Engineer.

14.3.5 Remedial Work

- A Notwithstanding the satisfactory completion of the 7 day test, any leakage, wet/damp patches or sweating visible on the outside faces of the structure shall be repaired in accordance with the requirements of Section 03600 of the specification. Surface repairs will not be accepted.
- B Should the structure under test fail the above tests in any respect, the Contractor shall:
 - 1 Immediately take such steps as may be necessary to ascertain the nature and positions of any defects or leakage.
 - 2 Empty the structure and drain the roof surface.
 - 3 Remedy the defects in a manner approved by the Engineer, employing staff or a firm that are specialists in this type of work.
- C When the remedial work has been completed in the manner approved by the Engineer, the testing shall be repeated until a satisfactory test result is achieved.
- D If water leakage is severe, the Engineer may reject the entire structure.
- E Any costs incurred by the Contractor in remedial or replacement work necessary to achieve a satisfactory test shall be entirely at the expense of the Contractor.