

panels, and should be resistant to ultraviolet radiation, weather-resistant and watertight.

Storage tanks installation

- 1.93 The tank foundation shall be designed to withstand the total weight of the tank with water, including an adequate factor of safety as per the applicable design standards.
- (a) the construction of the tank foundation shall be carried out in accordance with the tank manufacturer's requirements. Tank foundation shall be rigid and smooth and have an elevated surface; and
 - (b) the foundation construction shall allow for adequate drainage of water away from the tank, so that moisture may not accumulate under the tank. Externally-bolted panelled base tanks shall have a 500mm minimum clear access below their base panels.
- 1.94 Gaskets and bolting shall be furnished for all access holes, hand-holes and other openings which call for blind flanges or covers. At least two sets of gaskets of the same materials shall be furnished; one set for testing and one set unused and packed separately with proper protection and markings.

Galvanized steel tanks

- 1.95 Installation of household water storage tanks made from galvanized mild steel sheets is not recommended. This is due to manufacturing quality as well as the observation that poor conditions and rust have adversely affected the quality of water stored in many existing tanks. Such tanks can only be installed in exceptional circumstances upon Distribution Company approval.