

- (f) serial number/tank size or capacity/volume (in cubic metres) or imperial gallons;
- (g) year of manufacture;
- (h) test pressure;
- (i) date of test; and
- (j) design code.

Water storage tanks: material and construction

- 1.33 Tanks constructed for the storage of potable water shall be made of a material that does not cause contamination or change the aesthetic quality of water supplied by the Distribution Company. Tanks may be made of fibreglass (glass-reinforced plastic), reinforced concrete (cement), reinforced plastic (polyethylene, polypropylene, CPVC) and stainless steel or any other material approved by the Distribution Company.
- 1.34 Tanks and cisterns holding potable water shall be of a suitable grade and material to meet the provisions of BS 6920-1 or equivalent standards approved by the Bureau. The tank construction material, lining, gaskets, adhesives, coating or any other part in contact with the stored water shall not impart taste, colour, odour or toxicity, nor promote microbiological growth. A certificate from the relevant authorities in Abu Dhabi and/or recognised international institutions such as NSF or WRc may be requested, to ensure the tank's fitness for storing potable water in the prevailing climatic conditions in compliance with the Guide of Chemicals and Products that come in contact with drinking water issued by the Bureau.
- 1.35 The tank shall be constructed of a watertight material of adequate strength, and shall be suitable for the storage of potable water at 52°C, at atmospheric pressure. The temperature of the stored water needs ideally to be kept at less than 30°C in order to restrict microbiological growth.
- 1.36 In case tanks are used for storing water for firefighting purposes and domestic consumption together, no hazardous material or materials likely to contaminate the water inside, e.g. GI, should be used anywhere in the firefighting system connected to such tanks e.g. suction pipes and fittings, breaching inlets and testing lines. Use of vertical submersible turbine pumps shall be avoided, even if coated with an approved coating.
- 1.37 Externally-bolted panelled base tanks shall have 500mm minimum clear access between the bottom base panels and finished ground level. Other tanks shall be at least 200mm above the finished floor level of the surrounding area.