

# SECTIONAL TANK GUIDELINES FOR TENDER SPECIFICATIONS



Manufacturing Tanks Since 1973



For more information contact us today at:  
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ASSOCIATION OF  
TANK AND CISTERN  
MANUFACTURERS  
SETTING THE STANDARDS



APPROVED MEMBER



# Guidelines for Tender Specification



1. The cold-water tank shall be sectional, constructed from panels which are 1m square using half and quarter panels where necessary.
2. Panels shall be hot pressed from specially formulated potable water grade of Glass Reinforced Plastic (G.R.P.)
3. All corner angles, divider carriers and roof supports shall be from the same material.
4. All underwater bolts, tie bars, joiners etc., shall be 1.4401 of EN10088-3:2014 stainless steel, external bolts shall be galvanised as per ISO1461:2009, grade 4.6 min Steel bolts, BS ENISO 898.
5. The lid shall be heavy duty, formed from panels as per base design, have vertical supports at each panel intersection.
6. The tank lid shall have a secure lockable hinged access hatch of minimum 610mm square.
7. All vents, warning pipes, overflows, shall have mesh screens of maximum 0.65mm x 0.65mm holes to protect contents.
8. The tank shall be insulated on the sides and lid. The insulation material shall be of rigid closed cell polyurethane foam, have a protective skin securely fixed and sealed to the tank panel surface using a gasket type seal. All pipe cut outs shall have bezels of the same material securely fitted and sealed to both the outer skin and panel face. All insulation to be to Tricel Format 30 finish or approved equal.
9. All tank shall be fitted with internal ladders, these ladders shall be GRP.
10. Where the tank the top of the tank is more than 1.5 m from the ground External ladders shall be fitted, these ladders shall be Aluminum or Galvanized. Where distance is 2m or more from the top of the tank to the finished floor level external ladders should be fitted with safety cages and comply to BS 4211:2005+A1:2008.
11. A guardrail should be fitted enclosing all access points to the tank roof, where a tank is 2 more from the top of the tank to the finished ground level.
12. Where the tank is the sole water supply the required capacity should be split between two separate tanks to facilitate maintenance and repairs.
13. Indoor tanks shall have a Condensation Tray.
14. The contractor shall ensure that the base supports conform to the tank manufacturer's recommendations.
15. Tanks to be commissioned and maintained in accordance with BS EN 806 & BS 8558.
16. The plumber should not leave the tank unattended during commissioning (first filling with water).
17. The Tank shall be manufactured to Format 30 specification by Tricel or approved equal.

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Please note: Insulation slows down, but does not prevent heat loss or heat gain, over protracted periods. Additional information is available in BS 7491 & BS 6700.

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In accordance with Tricel's normal policy of product development these specifications are subject to change without notice.