



Specifications for PLT Tank series

Description	Cylindrical-shaped, Modular-built, Bolted Steel Water storage tanks with internal liner covered by a Dome Roof.
Wall Structure	ZINCALUME® G300 steel panels with corrugated wall profile. Protective capped bolt system and fully enclosed bolt covers. Multi-Laminated wall panel thickness per tank height.
Protective Coating	Tank panels and Roof sheets made of ZINCALUME® - coated steel (Zinc/Aluminum Alloy), Grade AZ150. This is a hard-wearing, thermoset coating of 150 gr/m ² deposit.
Bolting Specification	Hot-Dip Galvanized, high tensile steel bolts, Grade 8.8. M10 and M12 for the tank body and M16 for fittings.
Roof Panels	ZINCALUME® G550 corrugated steel sheets, 0.50mm thick.
Roof Trusses	Hot-Dip galvanized, steel tubular sections with coating Grade AZ 200. The roof trusses shall be bolted to tank wall and shall be self-supporting without any ground columns.
Tank Liner	A high tear resistant, one-piece heavy duty, Reinforced PVC-Polyester liner shall be installed inside the tank to contain the stored liquid. The liner shall have an internal woven scrim for reinforcement, with a tensile strength of 2600N per 5cm in the Warp direction and a coated weight of 680gr/m ² . The Liner is suitable for liquid storage with a pH range of 4-11 and is rated for the storage of potable water with a relevant test certificate to the AS 2070.2 - 1992 Australian Standard.
Nozzles	Tank nozzles and fittings shall be of Hot Dip Galvanized (HDG) steel with an outer flange connection to external piping systems. Tanks shall be supplied with an overflow with downpipe and a scour drain.
Accessories	External Ladder with safety cage included for tanks above 4.0m off the ground (HDG). Lockable Roof Access Hatch with platform and handrail (HDG). Full-Length Level Indicator with HDG column. Roof Ventilator to be of Dynamic type (Whirlybird or similar).
Foundation	Tanks shall be designed for installation onto a reinforced concrete ring beam foundation encasing a clean compacted sand base.
Warranty	Tanks to be covered by 10-Year Conditional Warranty .