



Single Wall Installation Checklist

An electronic version of this form is available on www.tanksolutions.com.au

SINGLE WALL UNDERGROUND FIBREGLASS STORAGE TANKS FOR WATER & WASTEWATER APPLICATIONS

The installing contractor must read the installation manual and complete and return this checklist within 30 days after the date of installation to validate the Tank Solutions warranty. The tank owner must retain a copy of this checklist and a copy of all deviation authorisations to substantiate any warranty claim.

Date of Installation: _____

Site Owner: _____

Site Address:

_____ *Street* _____ *City* _____ *State* _____ *Postcode*

Installing Contractor:

Installation On-Site Supervisor:

Supervisor Accreditation Number and Expiry Date:

Contractor Address:

_____ *Street* _____ *City* _____ *State* _____ *Postcode*

TANK INFORMATION	Tank # 1	Tank # 2	Tank # 3	Tank # 4
Tank Number				
Total Capacity				
Compartments: Single (SC), Dual (DC) or Triple (TC)				
Configuration (Compartment)				
Tank Diameter				

Fibreglass Tanks

Fibreglass Tanks

	SITE INFORMATION	Tank # 1	Tank # 2	Tank # 3	Tank # 4
0	Confirm that the installer has read the installation manual and that the installation will be carried out as per the steps advised in the installation manual. - Yes or No				
1	Primary backfill meets Backfill Guideline requirements (Form TD_IM_014) – Yes or No				
2	Secondary backfill material will be used – Yes or No				
3	Has Tank Solutions been advised that Split Backfill procedure will be used? (Must advise Tank Solutions prior to using Split Backfill procedure)				
4	If Secondary backfill material is used, does it meet manufacturer's requirements (Form TD_IM_020) – Yes or No				
5	Geotextile Fabric will be used – Yes or No				
6 a)	Is the excavation shored – Yes or No				
6 b)	Will the shoring be removed or remain in place following installation? Yes or No				
6 c)	Has a suitably qualified Engineer confirmed the Shoring will remain effective for 30 years? – Yes or No				
7	Tanks in trafficable area – Yes or No				
8	Hole Condition – Wet or Dry Dry: Water not anticipated to reach tank. Area not subject to flooding or water table rising. Wet: Excavation may trap water. Area subject to flooding or water table rising.				
9	Additional Comments				

	Pre Installation Inspection and Testing	Tank # 1	Tank # 2	Tank # 3	Tank # 4
10	Visual Inspection – Is there evidence of damage (holes, cracks, gouges) in the tank – Yes or No (If yes, document any damage found and send, with pictures to Tank Solutions prior to Installation)				

Fibreglass Tanks

	DURING INSTALLATION	Tank # 1	Tank # 2	Tank # 3	Tank # 4
11	Anchoring performed in accordance with Installation Instructions – Yes or No				
12	Backfill material bed is level and a minimum of 300mm deep, over native soil or slab before setting tank				
13	Record Internal Diameter Measurement #1 (before installation)				
14	Tank Spacing - Tanks are spaced correctly from each other and excavation walls as per the Installation Instructions – Yes or No				
15	Record final tank spacing between tanks				
16	Record final tank spacing between tanks and excavation walls				
17	Record Internal Diameter Measurement #2 (after straps are installed)				
18	Subtract diameter measurement #2 from #1 and record				
19	Deflection measurements are within acceptable limits (see Table 1 below) – Yes or No				
20	Voids under tank between ribs and domes filled with backfill and tamped – Yes or No				
21	Backfill placement meets requirements – Yes or No				
22	Record Internal Diameter Measurement #3 (after backfilling to top of tank is complete)				
23	Subtract diameter measurement #3 from #1 and record				
24	Deflection measurements are within acceptable limits (see Table 1 below) – Yes or No				
25	Tank was ballasted prior to bringing backfill to top of tank – Yes or No				

Fibreglass Tanks

	AFTER BACKFILLING IS BOUGHT TO TOP OF TANK	Tank # 1	Tank # 2	Tank # 3	Tank # 4
26	Tank was ballasted after to bringing backfill to top of tank – Yes or No				
27	Record final depth of backfill over the tank				
28	Record Internal Diameter Measurement #4 (after backfilling is bought to sub-grade)				
29	Subtract diameter measurement #4 from #1 and record				
30	Final Deflection measurement are within acceptable limits (see Table 1 below) – Yes or No				
31	Thickness of concrete surface slab				

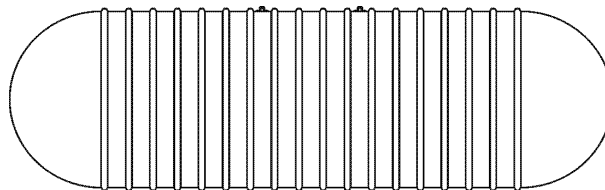
Fibreglass Tanks

Table 1 – Maximum Allowable Deflections

***Note: If Deflection is 75% of Maximum, notify Tank Solutions Technical Department immediately.**

Tank Diameter mm	Maximum Deflection mm	Nominal Inside Diameter mm	Deflection Measurement Process	Deflection Measurement Readings			
				Tank 1	Tank 2	Tank 3	Tank 4
1470	19	1500	ID Reading 1				
2140	24	2026	ID Reading 2				
2438	30	2316	Deflection Check 1 Reading 1 - 2				
2600	30	2466	ID Reading 3				
3275	38	3150	Deflection Check 2 Reading 1 - 3				
3280	38	3150	ID Reading 4				
			Deflection Check 3 Reading 1 - 4				

Deflection Measurements Verified by: _____



Mark Location of Deflection Readings

Measured at:

☐ End ☐ Centre

Tank Warranty

In order to validate Tank Warranty, please send the completed Installation Checklist along with the following documents back to Tank Solutions within 30 days of the Tank Installation:

- Backfill Sieve Analysis

Whilst not a condition of Warranty, for completeness of our records Tank Solutions would appreciate it if the following were also sent through if available:

- Site Tank and Pump Layout
- Pictures of Installation