

# **CONTAIN Glass-Fused-to-Steel Bolted Storage Tanks**

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Manufacturing & Engineering



Perfect for bio-energy, wastewater treatment, potable water storage, fire protection and dry bulk storage applications. Always engineered to local environmental conditions.

# About Contain Water Tanks Inc.

CONTAIN Water Tanks Inc. is a manufacturer and installer of corrugated steel liquid storage tanks primarily used for the storage of water. Contain Water Tanks Inc. series of tanks and accessories come backed by a team of certified installers around Canada and the USA ready to provide professional installation services for your project site.

CONTAIN Water Tanks Inc. Is the manufacturer of high capacity Liquid Storage Tanks consisting of pre-rolled and pre-punched corrugated steel panels. Our tanks can also include a geo textile pre liner, NSF 61 approved flexible geomembrane liners, several available fitting sizes, and various tank roof design options. Contain Water Tanks Inc. series Water Storage Tanks are fully engineered products for industrial, irrigation, agricultural, fracking, mining, and many other applications.



**7000+**

GFS Tanks Globally

**400+**

Biogas Equipment Supply

**500+**

Sewage Treatment Reactors

**20+**

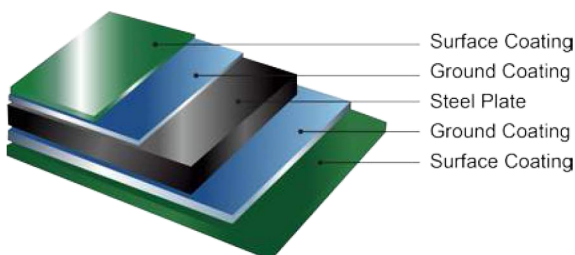
AD Plants EPC Above 1MW

## Glass-Fused-To-Steel

Our Glass-Fused-To-Steel Technology, is a leading solution which combines the advantages of both materials – the strength and flexibility of the STEEL and high corrosion resistance of the GLASS. The Glass fused to the Steel at 1500 – 1650 deg. F, become a new material: GLASS-FUSED-TO-STEEL with perfect anti-corrosion performance.

We have developed high-strength TRS (Titanium Rich Steel) plates specially produced for Glass-Fused-To-Steel Technology, which can work perfectly with our glass frit and can eliminates the “Fish Scale” defect.

### Our Double Coating Layer Structure





# Specification

- ISO 9001:2008 Quality Control System
- ANSI AWWA D103-09 Design Standard
- Titanium-Rich-Steel plates specially produced for GFS Technology
- Holiday Testing every panel at 700V - 1500V acc. to tank applications
- Glass Coating Thickness Testing every panel on both sides
- Fish Scale Testing (one test for one batch)
- Impact Testing for enamel adherence (one test for one batch)

Standard Color	RAL5013 Cobalt Blue, RAL6002 Dark Green
Coating Thickness	0.25-0.45mm
Double Sides Coating	2-3 coats each side
Adhesive	3450N/cm
Elasticity	500KN/mm
Hardness	6.0 Mohs
PH Range	Standard Grade 3~11; Special Grade 1~14
Service Life	more than 30 years
Holiday Test	acc. to tank application, up to 1500V

# Advantage

- Excellent anti-corrosion performance
- Smooth, cohesionless, anti-bacteria
- Wear and scratch resistance
- High-inertia, high acidity/alkalinity tolerance
- Fast installation with better quality: design, production and quality control in factory
- Less influenced by local weather
- Safe, skill-free: less working aloft, no need for long time worker training
- Low maintenance cost and easy to repair
- Possible to combine with other technologies
- Possible to relocate, to expand or to reuse
- Beautiful appearance



# Application

- Potable water
- Fire protection water
- Sea water
- Biogas digester
- Industrial effluent
- Slurry storage
- Sludge storage
- Liquid leachate
- Dry bulk storage
- Vegetable oil



# Reference

- Greece
- Australia
- Oman
- Kuwait
- Indonesia
- Malaysia
- Singapore
- Brazil
- Russia
- Vietnam
- Thailand





# Tank Capacity List

Height (m)	2.40	3.60	4.80	6.00	7.20	8.40	9.60	10.80	12.00	13.20	14.40	15.60	16.80	18.00	19.20	24.00
Dia. (m)	Gross Volume (m <sup>3</sup> )															
3.82	27	41	55	69	82	96	110	124	137	151	165	179	192	206	220	275
4.58	40	59	79	99	119	138	158	178	198	217	237	257	277	296	316	395
5.35	54	81	108	135	162	189	216	243	270	297	324	351	377	404	431	539
6.11	70	106	141	176	211	246	281	317	352	387	422	457	492	528	563	703
6.88	89	134	178	223	268	312	357	401	446	490	535	580	624	669	713	892
7.64	110	165	220	275	330	385	440	495	550	605	660	715	770	825	880	1100
8.40	133	199	266	332	399	465	532	598	665	731	798	864	931	997	1063	1329
9.17	158	238	317	396	475	554	634	713	792	871	951	1030	1109	1188	1267	1584
9.93	186	279	372	464	557	650	743	836	929	1022	1115	1208	1300	1393	1486	1858
10.70	216	324	431	539	647	755	863	971	1078	1186	1294	1402	1510	1618	1726	2157
11.46	247	371	495	619	742	866	990	1113	1237	1361	1485	1608	1732	1856	1979	2474
12.22	281	422	563	703	844	985	1125	1266	1407	1547	1688	1829	1969	2110	2251	2813
12.99	318	477	636	795	954	1113	1272	1431	1590	1748	1907	2066	2225	2384	2543	
13.75	356	534	712	890	1069	1247	1425	1603	1781	1959	2137	2315	2493	2671		
14.51	397	595	793	992	1190	1388	1587	1785	1983	2182	2380	2578	2777			
15.28	440	660	880	1100	1320	1540	1759	1979	2199	2419	2639	2859	3079			
16.04	485	727	969	1212	1454	1697	1939	2181	2424	2666	2908	3151				
16.81	532	799	1065	1331	1597	1863	2129	2396	2662	2928	3194	3460				
17.57	582	872	1163	1454	1745	2036	2326	2617	2908	3199	3490					
18.33	633	950	1266	1583	1899	2216	2532	2849	3165	3482	3798					
19.10	687	1031	1375	1718	2062	2406	2749	3093	3437	3780						
19.86	743	1115	1486	1858	2229	2601	2972	3344	3715	4087						
20.63	802	1203	1604	2005	2405	2806	3207	3608	4009							
21.39	862	1293	1724	2155	2586	3017	3448	3879	4310							
22.15	924	1386	1849	2311	2773	3235	3697	4159	4622							
22.92	990	1485	1979	2474	2969	3464	3959	4454								
23.68	1056	1585	2113	2641	3169	3698	4226	4754								
24.45	1126	1689	2253	2816	3379	3942	4505	5068								
25.21	1197	1796	2395	2993	3592	4191	4789									
25.97	1271	1906	2541	3177	3812	4447	5083									
26.74	1347	2021	2694	3368	4041	4715	5388									
27.50	1425	2137	2850	3562	4274	4987	5699									
28.27	1506	2259	3011	3764	4517	5270										
29.03	1588	2382	3175	3969	4763	5557										
29.79	1672	2508	3344	4180	5016	5852										
30.56	1759	2639	3519	4399	5278	6158										

## Note :

- 1.The tank volume presented above are gross capacity (m<sup>3</sup>).
- 2.The effective capacity shall be considered with the freeboard and the concrete base slab.
- 3.The standard dimension of our steel plate is 2400mm\*1200mm.
- 4.What presented above is our standard capacity, other dimensions are available as per requirement.
- 5.Our tank design complies with ANSI/AWWA D103-09.



**Let's Discuss your Project:**

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