



COMMERCIAL LIQUID STORAGE SOLUTIONS



www.shubhamtanks.com



Manufactured in Perth, Australia and Thane, India as per Australian standards

At Kingspan we pride ourselves on our longevity, experience, continued innovation and unrivalled customer service.

Kingspan Rhino Tanks with production facilities in Australia and India, has been manufacturing bolted-panel liner tanks to certified Australian and American standards for over twenty-five years and has more than 45,000 tanks installed globally (more than 1240 in India alone). Kingspan Rhino has the unique distinction of selling a tank every 6 hours.

Shubham Tanks and Liners Pvt. Ltd. (STLPL) manufactures the high quality Kingspan Rhino Tanks under technical collaboration with Kingspan Water & Energy, Australia at its state of the art facility in Thane, Maharashtra. STLPL is exclusively responsible for promoting the Kingspan Rhino Tanks in the Indian Sub Continent and Middle East for the past 10 years.

TANK CONSTRUCTION STANDARDS

Complete Tank	: AS 2304-2011 , Australian Standard for Water Storage Tanks for Fire Protection Systems
Tank Structure	: AS/NZS 1170-2007
Inner Liner	: IS : 9845 ANSI/NSF 61-2008 (American) & AS/NZS 4020:2005 (Australian) AS/NZS 1170-2007, 4100, 4600
Nozzles	: AS/NZS 4680-2006

Tata-Bluescope Zincalume sheets	: IS 15961
Welding	: AS NZS 1554-2008
Cathodic Protection	: AS/NZS 4680-2006
Galvanization	: IS 2629, 2633, 6745, 4759
Platform & Ladders	: AS 1657-1992
MS	: IS : 2062

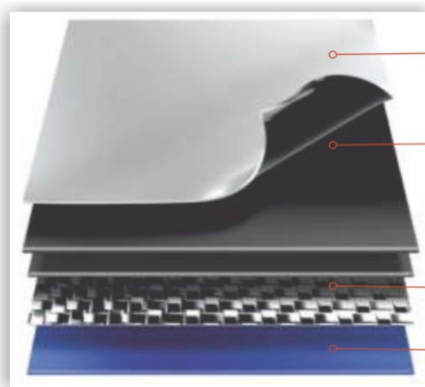


ZINCALUME OUTER SHELL

KINGSPAN RHINO TANKS - IN BRIEF

Kingspan Rhino Tanks are bolted-panel / inner liner design pre-fabricated, site-assembled tanks. Outer shell is Original Zincalume® Steel manufactured by Tata Bluescope & used in multiple layers when required for structural strength.

MULTILAYERED REINFORCED INFINITY LINER WITH METALLOCENE CONTACT LAYER



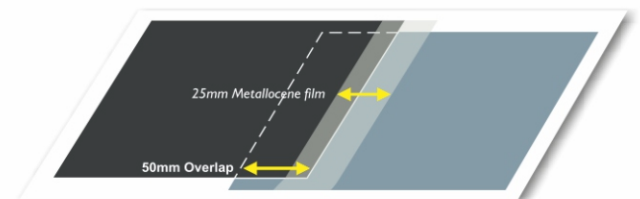
Clear Top Layer
Food Grade Metallocene for added strength and longevity

2nd and 3rd Layers
2 Layers of Food Grade Polyethylene

4th Layer
Reinforced Woven Scrim provides the core strength to the liner

5th Layer
An extra layer of Polyethylene to enclose the scrim

Our superior INFINITY reinforced tank liners are fabricated by Rhino's highly qualified liner fabricators using the latest welding techniques and machinery



The sections of liner are joined using a heat welding process with a 50mm overlap

The Metallocene tape welded seam provides an extra seal and prevents bacterial growth under the lap seam

The only tank manufacturer in the world with in-house liner R&D. Kingspan Rhino tanks offer a variety of liners for different applications –

Why Kingspan Rhino tanks are better?

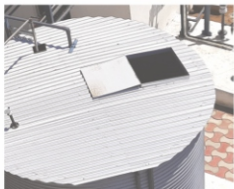
Where Kingspan Rhino tanks are used?

- a) INFINITY®- 5 Layered, reinforced thick PE liner with METALLOCENE contact layer manufactured in Japan.
- b) Aquamark - High Quality Polypropylene based reinforced liner manufactured using Gale's advance coating technology having excellent chemical resistance.

- 1) Quick to install - Tanks up to 100 KL can be installed on site in 3-4 days.
- 2) Can be knocked down and re-assembled at a different site.
- 3) Infinity liner - high puncture resistant, low maintenance. No leakage / seepage. Tested to 45 mtr. water column height.
- 4) Design life of 40+ years.
- 5) Can be installed on elevated stilts / staging above ground and also in existing areas like basements etc. where Concrete Tanks cannot be built. Thus making use of areas which are normally wasted.
- 6) Highly Cost effective.
- 7) Warranty of 3 years for clear treated / raw water..

- 1) Drinking Water / Potable Water
- 2) Fire Water Tanks / Treated Water / Raw Water
- 3) Raw Sewage / Raw Effluent & Treated Sewage Water
- 4) Clarifier Tank / Aeration Tank / DM Water Tanks / RO Water Tanks etc.
- 5) Vegetable Oils
- 6) Specific Non-corrosive Chemicals etc.

Accessories



Access Hatch



Outlet Nozzle



Bell-Mouth overflow



Scour Drain



Safety Caged Ladder, Manway & True Level Indicator

Standard Accessories

1. Lockable access hatch
2. Bell-mouth overflow 100mm
3. Scour drain 50 mm
4. Removable internal/external ladder HDG
5. Water level gauge - Float & Board
6. Dust & Vermin Tape

Optional

1. Platform with caged ladder
2. Outlet Nozzle (50 mm - 500 mm)
3. Inlet deflector
4. Fire fighting coupling
5. Rain-Saver Caps
6. Anti vortex fittings
7. 600mm Manway



Ring Beam Preparation

All tanks require construction on a concrete ring beam or suitably designed footing. It is imperative for the client to ensure foundations and civil works for the site are adequate. Ring beam design is dependent on tank size and location. Appropriate design specification drawings are supplied by Kingspan at the time of order.

Installation

We have a network of specially trained tank installers. Our installers focus on quality and excellent service to ensure the job is supplied and installed to the customer's specific requirements.



Fire / Drinking Water Storage Tank



ETP Clarifier Tank



STP Aeration Tank



Raw Water Tank



DM Water Tank



Tank on Staging

Capacities from 10,000 Liters to 30,00,000 Liters in standard sizes.

Rhino Tank Model	Gross Tank Capacity in Liters for Standard Tank Heights							Tank Diameter (Meters)
	2.2 M	2.9 M	3.6 M	4.3 M	5.0 M	5.7 M	6.4 M	
RCT15	15,038	19,842	24,330	29,393	-	-	-	2.950
RCT 25	26,062	34,355	42,631	50,947	59,240	67,404	-	3.884
RCT 40	40,723	53,680	66,639	79,637	92,601	105,753	118,740	4.855
RCT 60	58,640	77,299	95,920	114,615	133,291	152,180	170,869	5.826
RCT 80	79,816	105,212	130,597	156,004	181,400	207,033	232,458	6.797
RCT 100	104,250	137,420	170,525	203,761	236,931	270,311	303,507	7.768
RCT 130	131,941	173,922	215,871	257,884	299,866	342,014	384,016	8.739
RCT 160	162,890	214,719	266,466	318,376	370,205	422,143	473,985	9.710
RCT 200	197,097	259,810	322,461	385,235	447,948	510,697	573,414	10.681
RCT 230	234,562	309,195	383,683	458,461	533,095	607,677	682,304	11.652
RCT 275	275,284	362,875	450,366	538,055	625,646	713,082	800,654	12.623
RCT 320	319,264	420,849	522,433	624,017	725,601	827,400	929,000	13.594
RCT 360	366,503	483,117	599,587	716,346	832,960	950,474	1,067,199	14.565
RCT 420	416,998	549,680	682,361	815,042	947,724	1,080,600	1,213,400	15.536
RCT 470	470,752	620,537	770,124	920,106	1,069,891	1,220,437	1,370,315	16.507
RCT 530	527,764	695,688	863,613	1,031,538	1,199,463	1,367,900	1,535,887	17.479
RCT 590	588,033	775,134	962,236	1,149,337	1,336,438	1,524,101	1,711,271	18.450
RCT 650	651,560	858,875	1,066,189	1,273,504	1,480,818	1,688,746	1,896,135	19.421
RCT 720	718,345	946,909	1,175,473	1,404,038	1,632,602	1,861,833	2,090,479	20.392
RCT 790	812,250	1,070,690	1,329,130	1,587,571	1,846,010	2,104,649	2,363,115	21.681
RCT 860	861,688	1,135,862	1,410,035	1,684,209	1,958,382	2,233,336	-	22.334
RCT 940	938,246	1,236,779	1,535,312	1,833,845	2,132,378	2,431,752	-	23.305
RCT 1010	1,018,063	1,341,992	1,665,920	1,989,849	2,313,778	2,638,611	-	24.276
RCT 1180	1,187,292	1,565,067	1,942,842	2,320,617	2,698,392	3,075,993	-	26.213



SHUBHAM TANKS AND LINERS PVT. LTD.
(In technical collaboration with Kingspan Water & Energy, Australia)

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