

Colour Range

Colorbond

Our tanks come in the full range of genuine Bluescope COLORBOND® colours*.



The colors displayed have been reproduced to represent COLORBOND® colour swatches as accurately as possible. *not all colours are available in the Heritage range. Contact Kingspan for more information.

How many litres of water can you harvest per year

Use this formula to calculate how much rainwater you can harvest from your roof (catchment area)

Catchment Area m² × Annual Rainfall mm = Total Rainwater Harvested

Example: An average house and medium sized shed (350m²) in a region with an annual rainfall of 600mm can harvest 210,000 litres per year.

Kingspan Water & Energy Pty Ltd.

Perth
54 Collopy Road
Perth Airport WA 6105

Deniliquin Warehouse/Depot
Lot 22 Wakool Road
Deniliquin NSW 2710

Sydney
3 Herbert Place
Smithfield NSW 2164

Melbourne
55 Ricky Way
Epping VIC 3076

Brisbane
Unit 2/59 Link Drive
Yatala QLD 4132

1800 632 410



We take every care to ensure that the information in this document is accurate at the point of publication. Specification may vary (within a small parameter) due to manufacturing process variations or environmental conditions. All images are for illustration purposes only and should not be taken as binding. The actual product may vary, and specification/dimensions/ colour/ other attributes may differ.

To ensure you are viewing the most recent and accurate product information,

5. Pad sizes



Model	Tank Diameter	Min. Pad Diameter	Min. Pad Thickness	Quantity of Sand/Crusher Dust	Blue Metal	Min. water (Litres)
RT-25	3.88m	5.90m	150mm	4.1m ³	0.8m ³	2,500
RT-40	4.85m	6.90m	150mm	5.6m ³	0.8m ³	4,000
RT-60	5.83m	7.80m	150mm	7.2m ³	1.0m ³	6,000
RT-80	6.80m	8.80m	150mm	9.2m ³	1.0m ³	8,000
RT-100	7.77m	9.80m	150mm	11.3m ³	1.2m ³	10,000
RT-130	8.74m	10.80m	150mm	13.8m ³	1.2m ³	13,000
RT-160	9.71m	11.80m	150mm	16.4m ³	1.6m ³	16,000
RT-200	10.68m	12.70m	150mm	19.0m ³	1.6m ³	20,000
RT-230	11.65m	13.70m	150mm	22.1m ³	2.0m ³	23,000
RT-275	12.62m	14.70m	150mm	25.5m ³	2.1m ³	27,500
RT-310	11.65m	13.70m	250mm	39.6m ³ Crusher Dust only	2.0m ³	31,000
RT-365	12.62m	14.70m	250mm	42.5m ³ Crusher Dust only	2.1m ³	36,500



Model	Tank Diameter	Min. Pad Diameter	Min. Pad Thickness	Quantity of Sand/Crusher Dust	Blue Metal	Min. water (Litres)
CT6	3.92m	6.00m	150mm	4.3m ³	1.0m ³	2,500
CT9	4.70m	6.70m	150mm	5.3m ³	1.0m ³	4,000
CT12, HGT55	5.49m	7.50m	150mm	6.7m ³	1.0m ³	5,500
CT15, HGT75	6.26m	8.30m	150mm	8.2m ³	1.2m ³	7,000
CT20, HGT90	7.06m	9.10m	150mm	9.8m ³	1.2m ³	9,000
CT25, HGT110	7.84m	9.90m	150mm	11.6m ³	1.2m ³	11,000
CT30, HGT135	8.63m	10.70m	150mm	13.5m ³	1.2m ³	13,500
CT35, HGT160	9.41m	11.50m	150mm	15.6m ³	1.6m ³	16,000
CT41, HGT188	10.18m	12.20m	150mm	17.6m ³	1.8m ³	18,500
CT48, HGT220	10.99m	13.00m	150mm	20.0m ³	2.0m ³	21,500
CT54, HGT250	11.77m	13.80m	150mm	22.4m ³	2.0m ³	24,500
CT60, HGT285	12.55m	14.60m	150mm	25.2m ³	2.0m ³	28,000
CT70	13.31m	15.40m	150mm	28.0m ³	3.0m ³	31,500
CT80	14.09m	16.10m	150mm	30.6m ³	3.0m ³	35,500

A typical pad of 150mm Crusher Dust/Clean Sand.
This pad was for an RT-100 (104,000lt) Rhino tank.



We take every care to ensure that the information in this document is accurate at the point of publication. Specification may vary (within a small parameter) due to manufacturing process variations or environmental conditions. All images are for illustration purposes only and should not be taken as binding. The actual product may vary, and specification/ dimensions/ colour/ other attributes may differ.

To ensure you are viewing the most recent and accurate product information, please visit this link:
<https://kingspanwatertanks.com.au/ruralbasepadspecificationguidelines>

©Kingspan and the Lion Device are Registered Trademarks of the Kingspan Group plc in the UK, Ireland and other countries. All rights reserved.

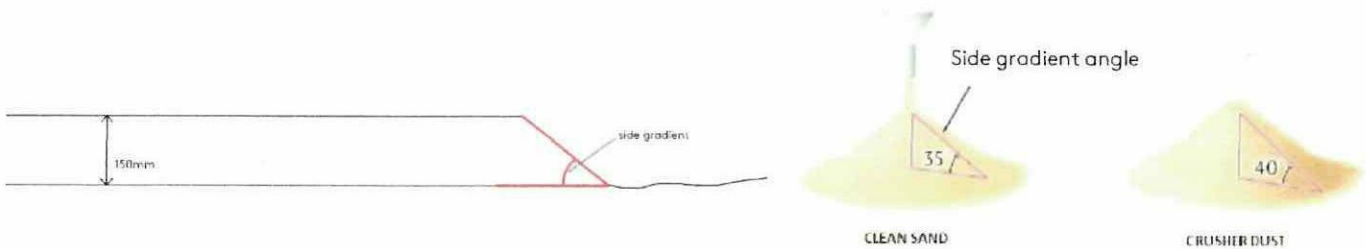
Registered Office: Kingspan Water & Energy Pty Limited,
3 Herbert Place, Smithfield, NSW 2164

Kingspan Water & Energy Pty Limited

54 Collopy Road, Perth Airport 6105 | kingspanwatertanks.com.au | ruralsales@kingspan.com | 1800 632 410
Rural Base Pad Specification Guidelines | V9 21/03/2023

IMPORTANT:

1. The sand/crusher dust pad must be at least 2 metres larger than the diameter of the tank
2. The sand/crusher dust pad must be levelled to a +/-10mm max variation all across
3. Adequate drainage must be installed to divert water run off away from the tank
4. Retaining walls or structures are recommended to maintain the long-term integrity of the sand/crusher dust pad
5. In the lack of retaining structures around the sand/crusher dust pad, the correct side gradient of the sand/crusher dust pad along its perimeter is critical to the pad's long-term stability. Below is the recommended max side gradient angle:



It is essential that 75mm thick x 500mm of Blue Metal/aggregate (3/4" or 20mm) must be placed around the total circumference of the base of the tank and maintained for the life of the tank at the stated depth and width. This is designed to stop erosion from water run off or strong winds. (If no Blue Metal is placed around the tank this will void your warranty).



! Please note

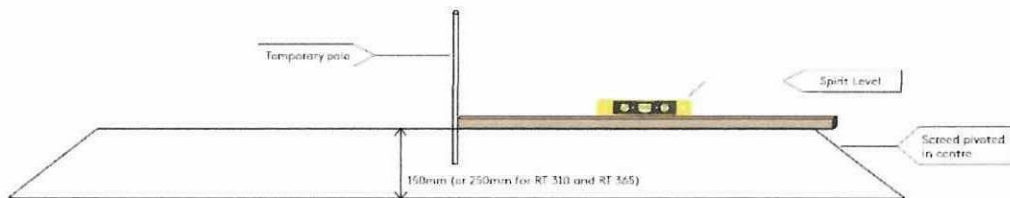
- If the pad preparation is not adequate (level to +/- 10mm) it may be necessary for our installation team to leave the tank and reschedule the installation (possibly weeks) until the problem is corrected.
- Unfortunately, this will incur additional charges to cover wages and travel. This may total at least \$1000 over and above the quoted tank price.

4. Pad preparation

! The pad must be level to +/- 10mm

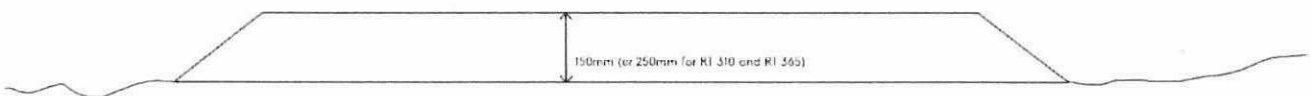
Suggested pad levelling technique

With a spirit level on top of a screed, level out the sand or crusher dust using a temporary pole in the centre of the pad as a pivot point.

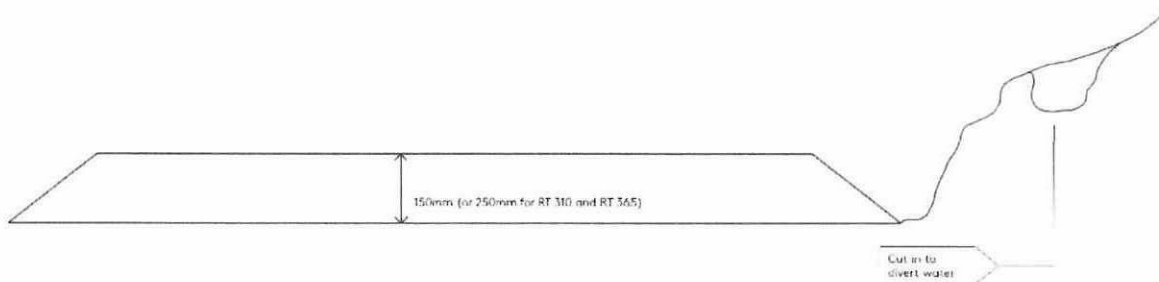


Most sites will fall into 2 main categories

1. A level existing site - therefore the pad preparation is reasonably straight forward.



2. The site has been cut in to create level base - therefore we recommend a drain to be dug into the slope above the pad to allow water runoff to be diverted around the tank when it rains.



Rural Base Prep Specification Guidelines

1. Pad specifications

The preparation of the pad for your tank is the responsibility of the customer. Our preferred base material is fine crusher dust; however, if crusher dust is not available in your area, please insist on using screened sand from your local area (please do not use recycled sand as it may contain contaminants). It must be free of sticks, stones, and clay lumps (6mm diameter or less). Crusher dust is required for RT-310 and RT-365 water tanks.

Quarry materials specifications	
Crusher dust <i>(recommended)</i>	Quarry fines granular material (grain sized 5mm or less) of low plasticity, free from organic matter, with a minimum of 85% passing the 2.36mm sieve and not more than 15% passing the 0.075mm sieve, conforming to AS 2758.1-2014
Clean sand	Fine aggregate and uncrushed conforming to AS 2758.1-2014

- Level Pad (+/- 10mm)
- Minimum thickness of pad is 150mm (or 250mm for RT-310 and RT-365)
- Minimum compaction of 120kPa
- Dimensions are outlined on the table below
- Ensure adequate compaction of the sub soil to avoid subsidence for deep pads
- The customer is required to place an exclusion zone of minimum 20mm Blue Metal/Stone (no clay or concrete) around the base of the tank after installation to prevent erosion and deter rodents from digging around the base

IMPORTANT: If the site is cut and filled to form the base for the tank, ensure there is adequate compaction (minimum allowable bearing pressure of 120kPa) of the sub soil to avoid subsidence.

IMPORTANT: Adequate drainage must be installed to divert water run off away from the tank.

IMPORTANT: If site access or the pad quality is not adequate, it may be necessary to charge an hourly rate of \$65.00 per person for our installation team to leave the tank and re-schedule the installation (possibly weeks) until the problem is corrected.

2. Site access

- Please ensure adequate access to the site for a small truck or 4WD and trailer, bearing in mind soil and weather conditions
- Vehicle access is to be available within 10 metres of site
- If unable to meet these requirements, please contact your Installer or Install Co-Ordinator to make alternative arrangements

3. On the day

Attendance:

- Whilst not essential due to individual circumstances, we highly recommend meeting the installer on site prior to the install commencing. This will assist in confirming the exact location of all the components and other on-site considerations.

Water:

- The customer is required to arrange supply of 10% of the full capacity of the tank in litres of water upon completion to stabilise the liner. This is a condition of the warranty and MUST be provided on the day of installation. Note: Our Liners are suitable for the storage of water within a pH range of 3-9, and a water temperature of - 6°C to + 40°C.

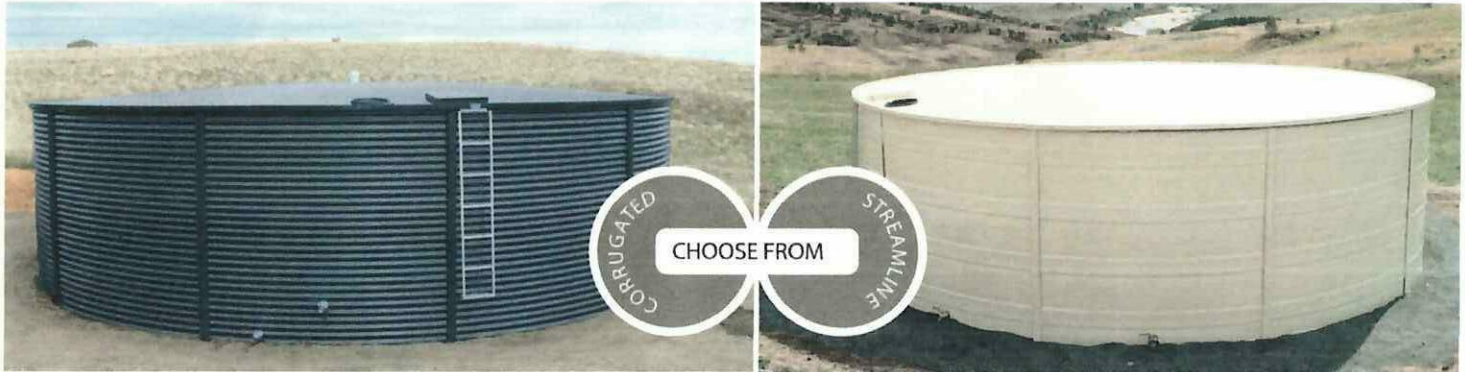
Payment:

- A tax invoice will be forwarded upon notification by the installer of Practical Completion.

Tank sizes



Kingspan Heritage Corrugated and Streamline tanks range from 27,000L - 353,000L.



Corrugated profile

Tank code	Litres	Height	Diameter
CT6	27,396	2.27	3.92
CT9	39,383	2.27	4.70
CT12	53,735	2.27	5.49
CT15	69,866	2.27	6.26
CT20	88,864	2.27	7.06
CT25	109,584	2.27	7.84
CT30	132,781	2.27	8.63
CT35	157,868	2.27	9.41
CT41	184,761	2.27	10.18
CT48	215,333	2.27	10.99
CT54	246,984	2.27	11.77
CT60	280,804	2.27	12.55
CT70	315,843	2.27	13.31
CT80	353,947	2.27	14.09

Streamline profile

Tank code	Litres	Height	Diameter
HGT55	54,682	2.31	5.49
HGT75	71,097	2.31	6.26
HGT90	90,430	2.31	7.06
HGT110	111,515	2.31	7.84
HGT135	135,121	2.31	8.63
HGT160	160,650	2.31	9.41
HGT188	188,017	2.31	10.18
HGT220	219,128	2.31	10.99
HGT250	251,336	2.31	11.77
HGT285	285,752	2.31	12.55

Reinforced high durable Aquamark® liner

Our tank liners are fabricated in our Australian factory and have been for over 20 years.

Our experienced liner fabricators use the latest welding technologies and state of the art machinery to produce liners of the very highest quality.

The Aquamark® Liner features a unique 7 layer construction which offers durability, flexibility and strength. Once installed, you'll enjoy many years of trouble-free usage.

- Proudly Australian made
- Water potable certified (AS/NZS4020)
- Made to withstand harsh conditions
- Temperature range: -40°C to +70°C
- Polypropylene coating applied for superior resistance to flex cracking
- Chemical and stress crack resistant
- BPA free
- 100% Lead and Phthalate free
- 100% recyclable material



Rural Corrugated and Streamline steel tanks

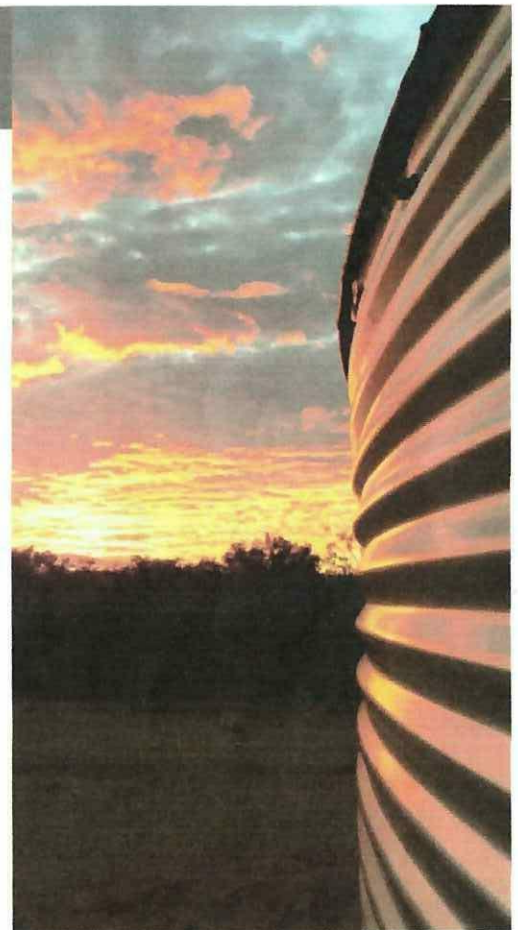
Kingspan tanks range are built tough in genuine BlueScope Steel to suit the harsh Australian conditions. Available in ZINCALUME® or in the full range of genuine COLORBOND® colours, all tanks come with a unique 7 layer liner making them ideal for rural applications. Tanks are Australian made and come with a 20 year conditional warranty.

Tank sizes



Kingspan Rhino Corrugated tanks range from 26,000L - 365,000L.

Model	Capacity for 2.2m high tanks*		Tank Diameter	Pad Diameter
	Litres	Gallons		
RT-25	26,062	5,792	3.88	5.5
RT-40	40,723	9,049	4.85	6.5
RT-60	58,640	13,031	5.82	7.5
RT-80	79,816	17,737	6.79	8.5
RT-100	104,250	23,167	7.76	9.5
RT-130	131,941	29,320	8.73	10.5
RT-160	162,890	36,198	9.71	11.5
RT-200	197,097	43,799	10.68	12.5
RT-230	234,562	52,125	11.65	13.5
RT-275	275,284	61,174	12.62	14.5
RT-310*	309,235	68,710	11.65m (2.9m h)	13.5
RT-365*	362,979	80,639	12.62m (2.9m h)	14.5



NOTE: Sizes listed are gross capacities. Effective capacities vary depending on the size and position of inlets and outlets.

*RT-310 and RT-365 are 2.9m high

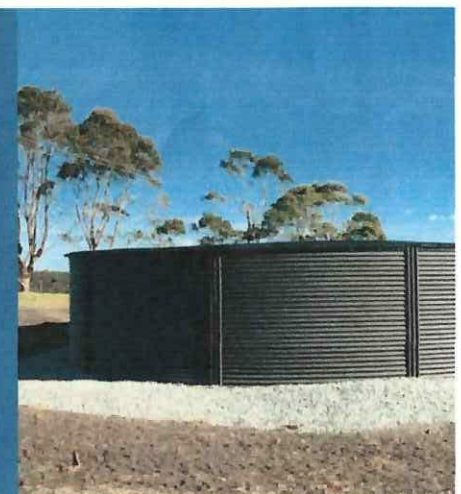
Standard Inclusions

Aquamark tank liner, full COLORBOND® range*, BlueScope steel corrugated wall and roof sheets, tank inlet, 50mm outlet and ball valve, removable internal/external ladder, lockable access hatch, 100mm bell mouth overflow, magnesium anodes for corrosion protection, Hiflow Deep Leaf Basket and 20 year conditional warranty.

*not all colours are available in the Heritage range. Contact Kingspan for more information.

Optional Extras

Tank level gauge, dust and vermin proofing seal, additional outlets, inlets and valves, firefighting outlets, 150mm bell mouth overflows, 50mm scour drain, and more!





Australian Made Rural Water Tanks

ZINCALUME® and COLORBOND®
26,000L-365,000L

Build your 3D tank online.

