

PLASPOKE

Bespoke Plastic Fabrications & Designs™

Plaspoke Limited PLASTIC CHEMICAL TANKS

2022

BROCHURE



ABOUT PLASPOKE LTD

Plaspoke was founded in early 2020 to offer bespoke plastic engineered solutions, without the typical bespoke price tag. Plastic has a durable and extremely long lasting nature, so to build plastic products it only makes sense to get something that meets precisely your needs so you are not paying for something that isn't necessarily required.

That's why we began Plaspoke with an intentionally keen focus on the design aspect of every solution we provide. We ensure you get exactly what you pay for, and ultimately keep unnecessary plastic (and costs) out!

Along the way, we have built 100s of custom water storage tanks, chemical safety products for various industrial partners, specially designed fuel containers as well as numerous large-scale solutions for the dairy and horticulture industries.

Through our commitment to extensive engineered solutions, we are proud to now be one of New Zealand's only approved designers and fabricators of thermoplastic bulk chemical storage tanks that surpass the relevant WorkSafe standards. We want to be your go-to for cost effective chemical storage solutions, and through our commitment to continuous innovation and targeted talent procurement Plaspoke Ltd is well positioned to absolutely deliver this in 2022!

PLASPOKE

Bespoke Plastic
Fabrications & Designs

- Custom builds
- Bunding & Spill Containment
- Dosing Cabinets & Panels
- Caravan, RV & Boat Tanks
- Process Tanks & Liners
- Industrial & Commercial Products

www.plaspoke.co.nz



PRODUCT DETAILS

PLASTIC CHEMICAL STORAGE TANKS - CERTIFIED TO WORKSAFE REQUIREMENTS

Plaspoke's plastic chemical storage tanks are second to none for the safe bulk storage of most Class 5, 6, 8 and 9 Hazardous substances. Custom made sizes means we make the most of the site space available while you don't pay for unnecessary storage. All tanks come with a custom located inlet, outlet, vent, overflow, manway, level indicator and seismic restraints to work within your existing plant & equipment. We also provide a range of off the shelf accessories including heaters/insulation, mixers, walk on platforms, dosing cabinets and so much more! All tanks are designed, fabricated, and tested to the relevant WorkSafe standards and come complete with a Plaspoke Production Certificate of Compliance and information pack specific to your new tank.

HDPE chemical storage tanks range from 500L to 60,000L working volume, making them some of the largest in New Zealand. Due to HDPE's high chemical, weather and impact resistance; it can outlast most traditional tank materials. All our certified chemical tanks have a standard 25 year design life. Plaspoke tanks are used extensively by Water Utilities, Chemical manufacturing, Food & Beverage, Dairy and other Commercial Industries.

- Separate bunds available and designed for a volume of 110% of the Chemical Tank Capacity, options for both indoor and outdoor use.
- Tank working capacities up to 60,000L, the largest allowed to be produced in New Zealand.
- All tanks are designed with seismic restraints suitable for the different seismic loading zones in New Zealand.
- Specifically designed to withstand New Zealand's seismic, wind loading and snow loading situations to an New Zealand IL2 standard.
- Highly customizable in both size and additional extras.
- Proudly New Zealand made, with our complete in-house computer aided design & plastic fabrication capabilities.

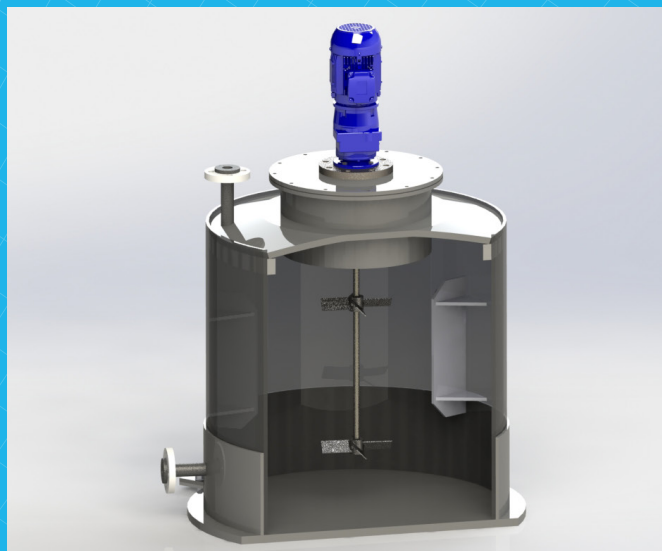


PRODUCTS DETAILS – FEATURES

MIXERS & SUPPORT STRUCTURES

CUSTOMER SPECIFIC MIXERS, SUPPORTS AND INTERNAL BAFFLES FOR OPTIMAL RESULTS

For applications where mixing is required, Plaspoke can engineer the ideal combination of internal mixing baffles, specialist chemical resistant mixers and if necessary mixer support structures. The winning combination is a drop-in place solution that's individually designed to fit your tank. All structures can be independently PS1 certified for total safety reassurance.



INSULATION AND HEATERS

REMOVABLE INSULATION LAGGING, CLADDING & ELECTRIC IMMERSION HEAT SYSTEMS

Plaspoke has developed a number of factory fitted temperature maintenance systems for chemicals such as Sodium Hydroxide (Caustic) that can freeze in ambient temperatures, or for process liquids needing to be kept at (or above) specific temperatures such as fats and oils.



SLOPING & CONICAL BASES

INTERNAL TANK BASES TO ENABLE MAXIMUM PRODUCT DISCHARGE

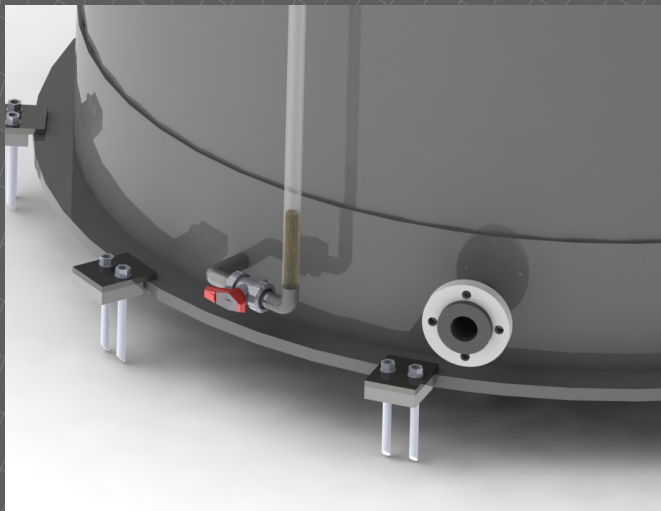
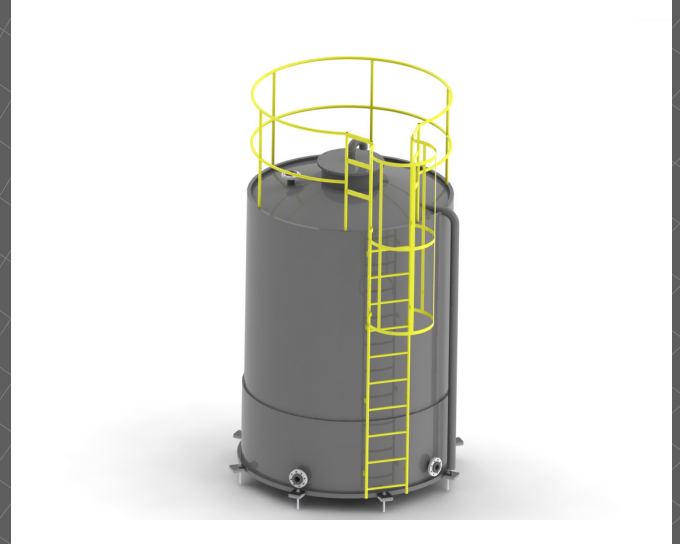
Plaspoke offer two alternative internal tank bases, sloping and conical type, which maximise the discharge of tank contents from the storage tank. Both base types are supported by a series of concentric and/or perpendicular thermoplastic fully welded ribbing, specially designed to take the whole load of the tank contents through to the lower tank base.



ACCESS LADDERS, SAFETY CAGES & HANDRAILS

FACTORY FITTED ACCESS STRUCTURE

Ladder, cage and handrail systems are designed, manufactured and factory fitted in accordance with AS1657 inhouse at Plaspoke. Custom fabricated in "Safety Yellow" powder coated steel, these chemical resistant structures help you get safe access to your tank roof, sensors & accessories. These can also be PS1 design certified upon request full safety assurance.



SIGHT GLASS LEVEL INDICATORS

FOR RELIABLE TANK INDICATION WITHOUT A POWER CONNECTION

Specially designed and fitted tank sight glasses provide accurate real time level indication and can be added to any Plaspoke chemical storage tank. These clear PVC indicators can be isolated from both ends and equipped with a removable custom made impact resilient guarding to offer reliable level indication even in rougher industrial environments.

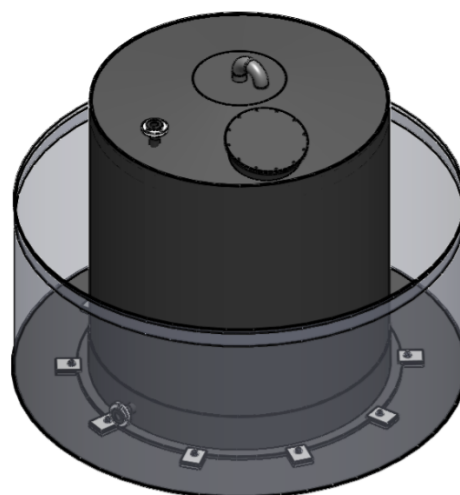
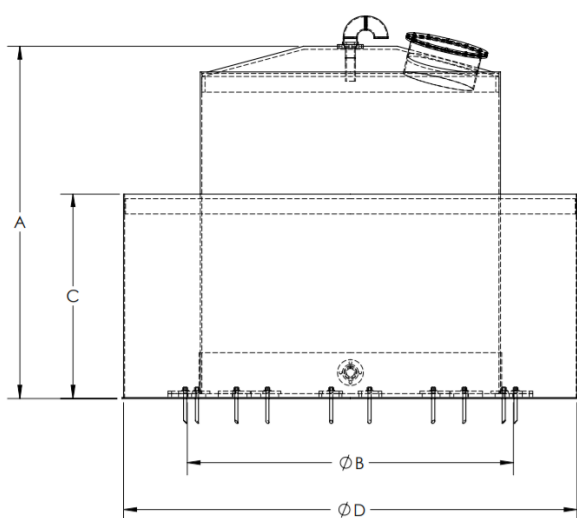
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PRODUCTS DETAILS – STANDARD SIZES

All tank heights and diameters can be customised to fit your sites requirements.
If bund volume requirements are met, overall size & shape has almost no limitations.

Storage Volume (L)	5,000	10,000	20,000	30,000	40,000	50,000	60,000
A- Tank Height (mm)	2215	2851	3405	4050	4342	4755	4963
B- Tank Base Diameter (mm)	2086	2570	3310	3450	4170	4470	4800
C- Bund Height (mm)	755	1124	1536	1894	2129	2375	2533
D- Bund Base Diameter (mm)	3046	3530	4270	4710	5130	5430	5760



INSTALLATION & ONSITE SERVICES

DELIVER, OFFLOAD, POSITION & INSTALL

Plaspoke offer a convenient and comprehensive delivery and tank installation service. In addition to supplying some of the highest quality chemical tanks in New Zealand, we can also deliver, position and anchor the tank to the plinth, using the required seismic hold down procedure and additional equipment that may be required. We can also install any additional accessories, sensors, access steelwork and pipework required.

Plaspoke's site crew are highly skilled in plastic fabrication and receive specialized training in both tank and pipe systems installation, and are ready to travel – whether it be an urban factory or a rural water treatment plant.

Our team can travel New Zealand wide to assist in your next site project. Our crew all hold SiteSafe Passports, hold current first aid certificates and the projects team in office prepare site specific job safety analysis (JSA) documentation complimentary with every installation.

For expert advice on our tank installation options, get in touch or request a no obligation quote today.



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