

WATER STORAGE



**FULLY ENGINEERED
AND PATENTED DESIGN
THAT PROVIDES THE
PERFECT SOLUTION FOR
WATER STORAGE**



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THE KLIPTANK STORY

Developed in 2008, KlipTank produced New Zealand's first patented above ground, clip-together, liquid storage tank. We pioneered above ground dairy effluent storage in New Zealand, providing a more compliant, safer, more attractive storage option than traditional in-ground ponds.

Fifteen years on and we're now leaders in the field of water storage for agriculture, horticulture, municipal water, industrial, wastewater, fire water, mining and energy in New Zealand, with a growing global demand for our innovative products.

KlipTank is now led by co-founder and shareholder Kim Henderson, an entrepreneur who has developed multiple businesses globally. Our purpose-built factory was one of the first in the thriving Tauriko Business Estate in Tauranga.

The city is home to New Zealand's largest and busiest port, servicing horticultural and farming businesses across the Bay of Plenty and neighbouring Waikato regions.

Proud to be New Zealand designed, engineered and manufactured, we provide effluent and water storage solutions that are customised to your requirement, and available in uncovered, covered and trussed roofs ranging up to a capacity of six million litres.

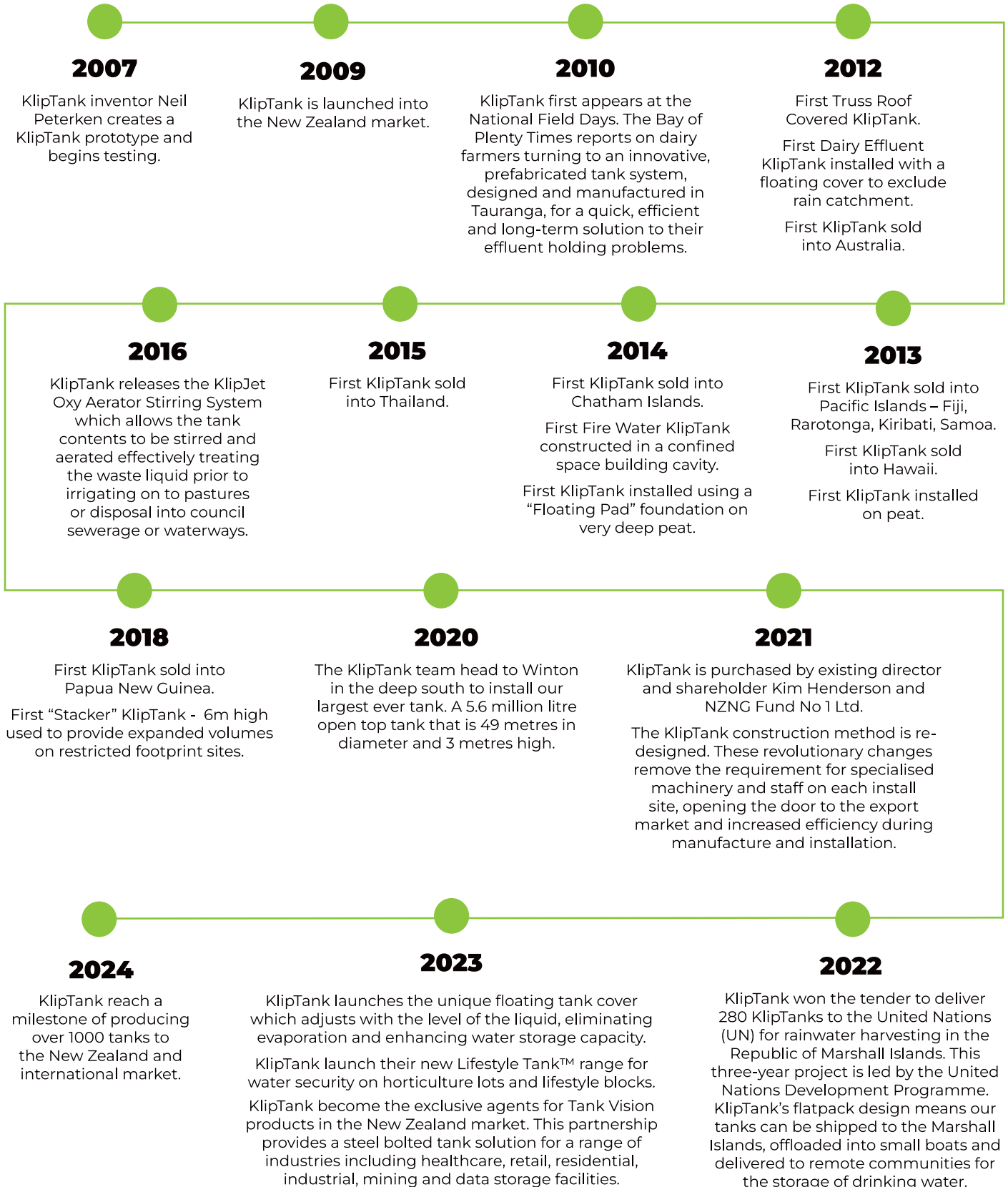
Since 2009, we have sold more than 700 effluent storage tanks to dairy farmers across New Zealand and Australia. Meanwhile, water storage solutions cater to multiple markets locally and abroad, with several material options.

Our satisfied clients range from lifestyle block owners, farmers, and orchardists right through to large scale commercial organisations, councils and construction companies looking for liquid storage security for their own property or community.

KlipTank's export business serves multiple global markets, including sending 280 flat-packed KlipTanks to the Marshall Islands where the United Nations are providing water tanks and rain harvesting systems to remote communities.



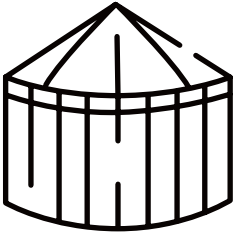
THE HISTORY OF KLIPTANK



BENEFITS OF A KLIPTANK WATER TANK

FEATURES	BENEFITS
Flat-pack design	Our patented design allows delivery of flat-packed tank components directly to site, making it easy to transport and assemble on different sites, including size-restricted areas and challenging terrains like hills or basements.
Quick to erect	KlipTanks can be installed within 1-7 days reducing installation costs and time.
No concrete foundation required	No expensive groundwork is required for installation, making them quick and easy to build and reducing your carbon footprint.
Ability to build on most soil types	KlipTanks can be built on most soil types, making them the ideal storage option for soft soils, high water tables and flood plains.
Trussed roof with UV blocked PVC cover	Our Trussed Roof Tanks have a 15-degree pitch on them ensuring effective rain runoff, they are vermin and insect proof and as the PVC cover has UV blockers in it no algae grows in the water.
Multiple sizes/ configurations available	KlipTanks can hold up to 6 million litres of liquid. Talk to us about your specific needs and we can come up with a customised option to suit.
Relocatable	KlipTanks can be easily moved if your circumstances change, making them a great option for temporary storage solutions.
Covered and uncovered options	All KlipTanks are able to be fitted with a range of customised fittings to suit your requirements.
Made in New Zealand	Our Tauranga based staff can provide full support right through from pre-sale technical support to after-sales warranty and technical support. If you have any issues, we are here to help.
Neutral colour options	KlipTanks come in neutral colours that blend into their surrounding environments.
Modular design	Our modular design handles ground movement well with proven earthquake performance, providing a sturdy and reliable storage option.
Above-ground	Choosing an above-ground storage option avoids water table issues and provides peace of mind around safety.
Non-corrosive material	KlipTanks won't rot or rust and can be used in high salt-exposure environments.
Sustainability	Our tanks are made with the environment in mind. KlipTanks are a great sustainable option to minimise wastage of water.
Virtually maintenance free	KlipTanks are easy to use and require minimal workload once installed.
Export friendly	Its flat-pack design simplifies containerisation for export, ensuring easy global deployment and reducing freight volume, helping cut costs.
25-year design life	Our KlipTanks come with a 25-year design life providing long term peace of mind.

TYPES AND SIZES

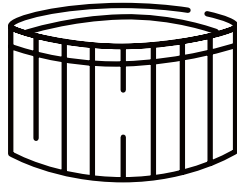


TRUSSED ROOF TANKS

Max Volume: 1 million litres

Height: 3m (option for 6m with a smaller footprint)

Max Diameter: 22m

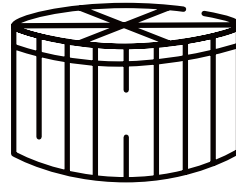


UNCOVERED TANKS

Max Volume: 6 million litres

Height: 3m

Max Diameter: 48.9m

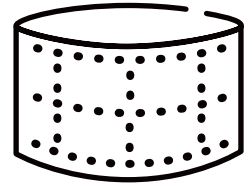


COVERED TANKS

Max Volume: 6 million litres

Height: 3m

Max Diameter: 48.9m



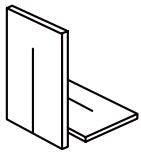
STEEL BOLTED TANKS

Modular Water Panel Tank Round Tank

Custom designed volumes and dimensions

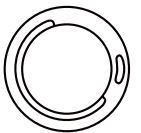
MATERIALS

KlipTanks are a composite tank design that utilise the advantages of a variety of construction materials to make lightweight yet robust and durable storage tanks.



Walls

HDPE panels with UV inhibitors (thickness 4.5mm) with PVC extruded uprights.



Top and Bottom Rings

Aluminium (can be used in certain marine applications. Grade 6106 T5/T6).



Wire Ropes

Double galvanised wire rope with stainless steel swage ends and bronze connecting turnbuckles are customised according to the specific water storage requirement.



Liner

Liners are customised according to the specific water storage requirement.



Roof Cover

Available in UV block out, stabilised PVC cover and hard roof cover options.

INSTALLATION PROCESS



Flat-packed to site



Minimal Site Prep



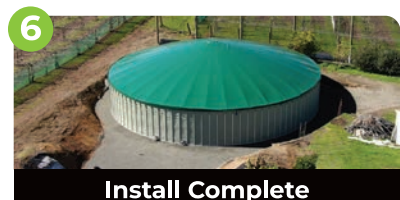
Base Down



Walls Up



Liner Installation



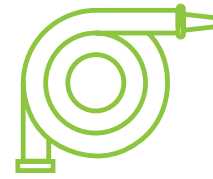
Install Complete

WATER APPLICATIONS



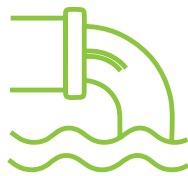
STORMWATER

KlipTanks can be used as an effective water storage solution for stormwater attenuation, as they are able to manage surges from the roofs of large commercial buildings. KlipTanks are equipped with multiple outlets to regulate and control the flow of water during storm events. With tank heights ranging from 2m to 6m, KlipTank ensures optimal storage capacity for stormwater management.



FIRE WATER

KlipTanks are a reliable water storage solution for fire water, suitable across various industries. KlipTanks can be efficiently constructed in the basement levels of buildings and meet the rigorous standards of NZ Climatic and Seismic requirements. Additionally, as exclusive agents for Tank Vision, KlipTank offers both lined and non-lined versions of the Tank Vision Round Tank and Tank Vision Modular Water Panel Tank products, providing a greater range of storage options for fire water needs.



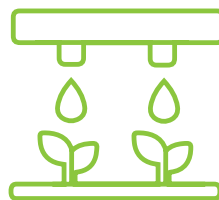
WASTE WATER

KlipTank provides a versatile water storage solution for wastewater applications. Our tanks are suitable for both municipal and industrial wastewater storage, including dairy, wine, meat, and beneficiation processes. They are available in various configurations such as lined or unlined, galvanized or stainless steel, and in round or square shapes. With options like Glass Fused to Steel Tanks and Fusion Bonded Epoxy Tanks, KlipTank ensures durability and reliability with a design life of up to 50 years.



DRINKING WATER

KlipTank offers a reliable water storage solution for drinking water, featuring HDPE tanks with a design life of 25 years. Our Trussed Roof Tanks come equipped with a UV block-out, vermin and dust-proof roof cover or a hard roof option. This ensures that your drinking water remains clean and uncontaminated, no matter the conditions. These tanks have a capacity of up to 1 million litres for a 3m high Trussed Roof Tank (options for 6m high with a smaller footprint). Additionally, KlipTank provides Steel Bolted Tanks, Glass Fused to Steel Tanks, and Fusion Bonded Epoxy Tanks with a design life of 50 years, meeting up to IL4 seismic design requirements.



HORTICULTURE



KlipTanks serve as an ideal water storage solution for irrigation. This ensures uninterrupted water availability during critical periods. Additionally, a KlipTank provides frost protection for crops and can be customised as an open-top tank with a Floating Roof Cover with a capacity of up to 6 million litres or a Trussed Roof Tank with a capacity of up to 1 million litres, catering to the specific needs of your irrigation systems.

PRODUCTS & SERVICES



TRUSSED ROOF TANKS






Trussed Roof Tanks are a great choice for drinking water storage. With UV block-out cover or hard roof cover options and easy installation, they offer a cost-effective option for various applications.

-  **Versatile and Efficient**
Trussed Roof Tanks are perfectly suited for community water storage, irrigation, firefighting, and rainwater capture. They offer a dependable solution for all your water storage needs.
-  **Simplified Consent Process**
We value your time and convenience. If needed, we take care of the building process for you. Sit back and relax, knowing that the necessary paperwork is handled efficiently by our team.
-  **Clean Drinking Water Guaranteed**
Rest easy knowing that Trussed Roof Tanks come equipped with UV block-out or hard roof cover options that are vermin and dust proof. This ensures that your drinking water remains clean and uncontaminated, no matter the conditions.
-  **Flexible Sizes to Suit Your Needs**
Choose from heights ranging up to 6m high, with a volume of over 1 million litres. Trussed Roof Tanks can be customised to fit your specific requirements, ensuring the perfect fit for your water storage demands.
-  **Tailored to Your Specifications**
At KlipTank, we understand that every project is unique. That's why our tanks are engineered to meet your specific needs and site conditions. Leave the customisation to us and enjoy a hassle-free water storage solution.
-  **Easy to Transport and Install**
With their modular design and lightweight construction, Trussed Roof Tanks are easy to transport even to remote locations. Installation is a breeze, allowing for quick and convenient setup wherever you need it.



UNCOVERED TANKS

Uncovered Tanks are the reliable choice for your dairy effluent, raw water storage and agricultural waste storage solutions.

-  **Versatile and Practical**
Uncovered Tanks offer a versatile solution for a range of applications. Whether you need a washout bay for truck yards or a rainfall catchment system, our tanks are up to the task. With their large surface areas, they provide ample space to meet your specific needs.
-  **Easy Installation on Any Terrain**
We understand the challenges of varying soil conditions. That's why Uncovered Tanks can be installed on most soil types, including peat, high water table areas, and soft soils.
-  **Tailored to Your Specifications**
Uncovered Tanks come in a range of heights, including 2m, 2.4m and 3m, accommodating for volumes of up to 6 million litres. This allows you to choose the perfect fit for your available area and volume requirements. Our tanks are engineered specifically for your site, ensuring optimal functionality and efficiency.
-  **Simplified Consent Process**
Navigating the consent process can be daunting. With Uncovered Tanks, we have you covered. Our team takes care of the building consent process on your behalf, providing you with peace of mind and saving you valuable time and effort.
-  **Meeting Industry Standards**
At KlipTank, we prioritise quality and compliance. You can trust our tanks to deliver exceptional performance and adhere to industry best practices.



COVERED TANKS

Upgrade your KlipTank with our practical Floating Roof Cover to minimise evaporation, prevent algae growth, and contamination. The unique design of the Floating Roof Cover adjusts to the tank liquid level.



Maximise Efficiency with Floating Roof Covers

Eliminate evaporation and algae growth and ensure reliable storage.



Tailored to Your Specifications

Our Covered Tanks can be built up to 6m high, accommodating volumes of up to 6 million litres. We engineer each tank to meet your specific site requirements.



Simplified Consent Process

We handle the building consent process on your behalf if needed, saving you time and effort.



Choose Quality and Reliability

Our Floating Roof Covers meet rigorous standards, providing efficient water storage with minimal maintenance.



STEEL BOLTED TANKS

As proud partners and exclusive agents of Tank Vision, we offer high-quality water storage solutions for customers across New Zealand and the Pacific.

KlipTank is the go-to choice for industries seeking on-site water security. Whether you're in healthcare, retail, residential, industrial, mining, transport, or data storage, we have the perfect water tank storage solution for you.

Steel Bolted Round Tank

Designed with a circular shape, these tanks are ideal for large volume solutions. Equipped with the safest jacking system in the industry and powered by a fully-mobile hydraulic self-levelling pump, we ensure utmost safety and ease of use.

Steel Bolted Modular Water Panel Tanks

Our Steel Bolted Modular Water Panel Tanks come in various options including modular rectangle, square, or stepped tanks. Coupled with Tank Vision's unique 'Tank-Tough' system, these tanks are the strongest in the industry.

Applications of Steel Bolted Tanks

- **Hydrant Tanks:** Meet regulatory requirements and provide the water supply needed for hydrant systems.
- **Rainwater Tanks:** Harvest and store rainwater for various purposes.
- **Sprinkler Tanks:** Provide reliable water source for fire suppression and sprinkler systems.
- **Mechanical Tanks:** Support mechanical systems with a dependable water supply.
- **Stratification/Insulated and Drinking Water Tanks:** Ensure optimal water quality and temperature for specific applications.
- **Chilled Water Tanks:** Maintain optimal temperatures and ensure efficient cooling processes.
- **Domestic Water Tanks:** Secure a steady water supply for residential needs.





ACCESSORIES

Maximise the efficiency of your KlipTank with our range of customised accessories, designed to meet your specific requirements. From base drain connections to stainless steel fittings, we've got you covered.

Key Accessories For Your KlipTank:



Base Drain Connections

Fully empty your tank when required with our base drain connections, ensuring complete drainage and minimal waste.



Additional Inlets and Outlets

Choose from a range of sizes, from 50mm up to 500mm, designed to ensure optimal flow rates.



Level Indicators

Keep track of your tank's level with our accurate and reliable digital and mechanical water level indicators, suitable for Covered and Uncovered Tanks.



Stainless Steel Fittings

Choose from a range of 304 and 316 stainless steel fittings, ensuring optimal quality and durability.



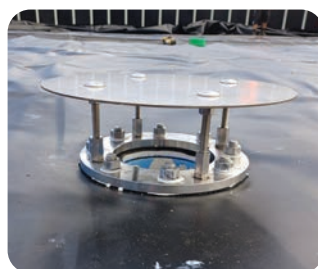
PTO and Slurry Tanker Connections

Save time and hassle with our easy-to-connect PTO and slurry tanker connections.



Tank Access Hatches

Reduce health and safety risks by minimising work at heights with our easy tank access hatches.



Anti-Vortex Plates

Achieve fast and efficient pumping out of your tank with our anti-vortex plates.



Valves and Other Pipework Fittings

Complement your equipment with our range of valves and pipework fittings.



Ground Anchors

Provide added stability in high-wind zones.



KlipJet

The KlipJet system introduces oxygen via a venturi design and powers several stirring nozzles to assist in aeration of water.



Ladders and Access Platforms

Steel or aluminium platforms and ladders, as well as wrap around staircases and walkways.




Ultrasonic Algae Control


LG Sonic systems use ultrasonic waves to disrupt algae buoyancy, starving them of sunlight, causing natural decomposition without toxins.




MAINTENANCE

Enjoy hassle-free maintenance with KlipTank. We provide comprehensive support to keep your tank and fittings in optimal condition, ensuring years of reliable performance.

- **Expert Guidance and Regular Checks**

Once your installation is complete, we will equip you with a detailed maintenance manual and a list of regular checks. Our guidance will ensure that you can easily undertake the necessary maintenance tasks to keep your KlipTank running smoothly.
- **Maintenance Contracts for Peace of Mind**

We offer maintenance contracts that guarantee seamless and continued care for your tank and fittings. Our contracts cover maintenance for your entire tank, including pumping systems, pipe work, and pressure testing, leaving you with peace of mind and more time to focus on what matters most.
- **Comprehensive Training for Staff**

As part of our maintenance contracts, we provide customised training sessions for your staff members. Our experts will thoroughly train your team on the operation of the KlipTank in your specific environment, ensuring that they have the knowledge and skills to maintain the optimal performance of your system. With our training, you can confidently rely on your staff to handle any maintenance needs that may arise.

KlipTank Warranty

Our Warranty and T&Cs are available to view on our website.



FREQUENTLY ASKED QUESTIONS

**Do I need a concrete pad for a KlipTank?**

No, you don't. Most of our tanks require a ground bearing of 90kPa unless we specify otherwise. Generally, you would remove the topsoil down to a hard base then build the tank pad with aggregate (GAP 65 or rotten rock for example) and a 60mm compacted layer of crusher dust or fines.

**Can the KlipTank be made larger later on if needed?**

No, unfortunately not. As the volume of the tank increases, so does the diameter and circumference. This affects the curvature of the aluminum base and top ring, as well as the length of the wire ropes.

**Do we need to get a Building Consent for our KlipTank?**

Yes, according to the New Zealand Building Code, any structure holding more than 35,000 litres requires a building consent. KlipTank will handle all the paperwork and lodge it on your behalf, and will pass on the council's charges at the end of your installation. This process ensures that a certified Engineer signs off on the tank design and conducts site-specific structural calculations for seismic, wind, and snow loadings.

**What warranty do you get with a KlipTank?**

You will receive a 15-year warranty for your KlipTank. The tank liner carries a warranty as per the supplier of the manufacturer of the liner.

**Can a cover be added to an already built KlipTank?**

In most cases, we are able to retrofit a cover. However, we will need to assess your tank to ensure that the work can be carried out.

**Can I install a KlipTank myself?**

If you are purchasing a KlipTank Lifestyle Tank, you can install this yourself using our handy Lifestyle Tank Installation Guide. However, for other tank options, it is recommended to have trained professionals do the installation. Proper installation requires some special tools and training, and we have a quality assurance process that verifies certain processes during the installation, which is necessary to provide the warranty.

**Can a KlipTank be used on soft or unstable ground like peat?**

Absolutely. KlipTank specialises in these situations. Our tanks are engineered to withstand subsidence and movement. Please note that customers will need to sign a waiver at the time of entering into an agreement, acknowledging the need for extra monitoring and the possibility of additional costs for site preparation and maintenance.

**Who can do my site preparation?**

You have the option to do it yourself or hire a local contractor. We provide detailed instructions to make the process as easy as possible, and our Installation Manager is available for advice at any time.

**What are our payment terms?**

Our standard trading terms are 40% upon signing the agreement, another 40% prior to tank dispatching, and a final 20% upon installation, with additional contract variations and associated council fees if applicable. Invoices have a seven day term. Commercial and export orders may vary, and this should be discussed prior to signing a contract.

**Can a KlipTank be moved and installed somewhere else?**

Yes, it can. However, the tank must be empty and the liner thoroughly cleaned before the installation team arrives. If the new location is not on the same property, KlipTank can organise the building consent. To keep the warranty valid, KlipTank must decommission and reinstall your tank.

**Can I have extra inlets/outlets?**

Absolutely! We can configure as many ports on the tank as you like and make them any size and type. Please reach out to us for more information.

**Can KlipTanks be resold?**

Yes, they can. If you have a situation where the tank is only needed temporarily, we have tanks that can be resold within the warranty period. Depending on the market conditions at the time, we may be able to assist in reselling your tank.

CHECK OUT OUR CASE STUDIES



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