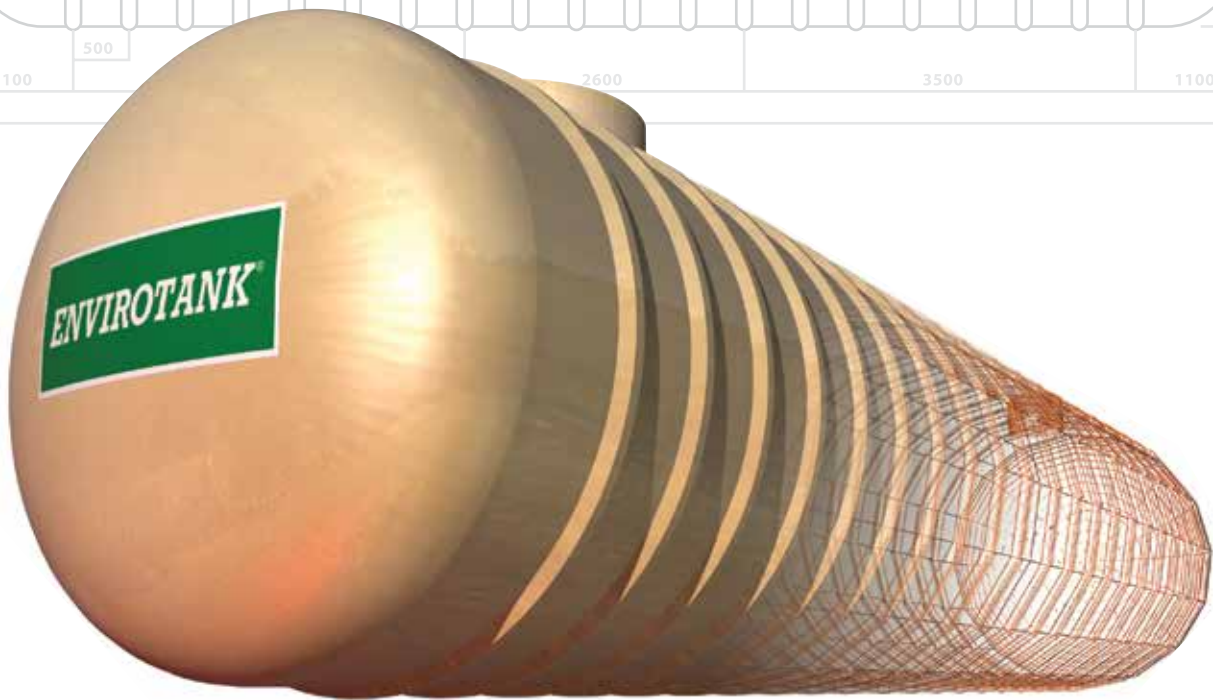
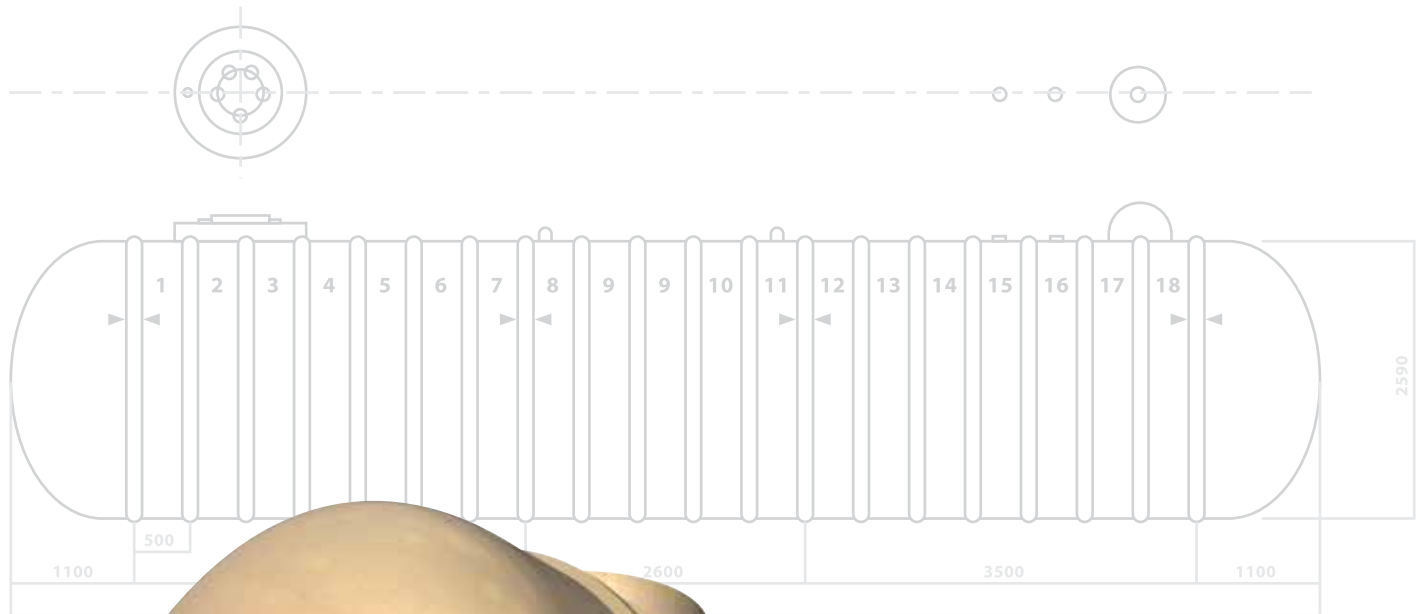


ENVIROTANK



Quality
ISO 9001

Corrosion-proof Fibreglass Underground Storage Tanks



Enviro tank underground fibreglass tanks have been exhumed after 7, 13, 21 and 25 years of continuous service and thoroughly complied with their original design properties with absolutely no loss to their original wall thickness.

Why Envirotank underground fibreglass double-walled storage tanks are your best investment

The fibreglass underground storage tank owes its very existence to the shortcomings of steel tanks, corrosion and the resulting environmental problems.

In the early 1960s, the American Petroleum Institute challenged the Special Products Division of Owens-Corning to develop a rustproof underground storage tank that would be safe and strong enough to satisfy the petroleum industry's most stringent long-term storage demands.

Their engineers accepted the challenge and pioneered the first underground fibreglass tank technology, Envirotank.

The major oil companies responded to that achievement by specifying fibreglass tanks for approximately 95% of their underground fuel storage installations. Their keen awareness of the limitations of steel tanks and steel components in a corrosive underground environment and their confidence in the fibreglass tank technology has helped us earn a reputation for safe, rust-free, long-term underground storage in approximately 250,000 installations in the U.S. and thousands more world wide over the last 30 years.

Along the way, we have earned a leadership position in this industry. The Owens-Corning pioneering technology also resulted in the UL 1316 specification, which today governs fibreglass tank manufacturing as a leading standard worldwide.

As the inventors of fibreglass underground storage tank technology, many of the basic patent standards began with Owens-Corning and continue with Envirotank today and in the future.

Envirotank Manufactures

Double-Wall and Single-Wall Underground Petroleum Storage Tanks

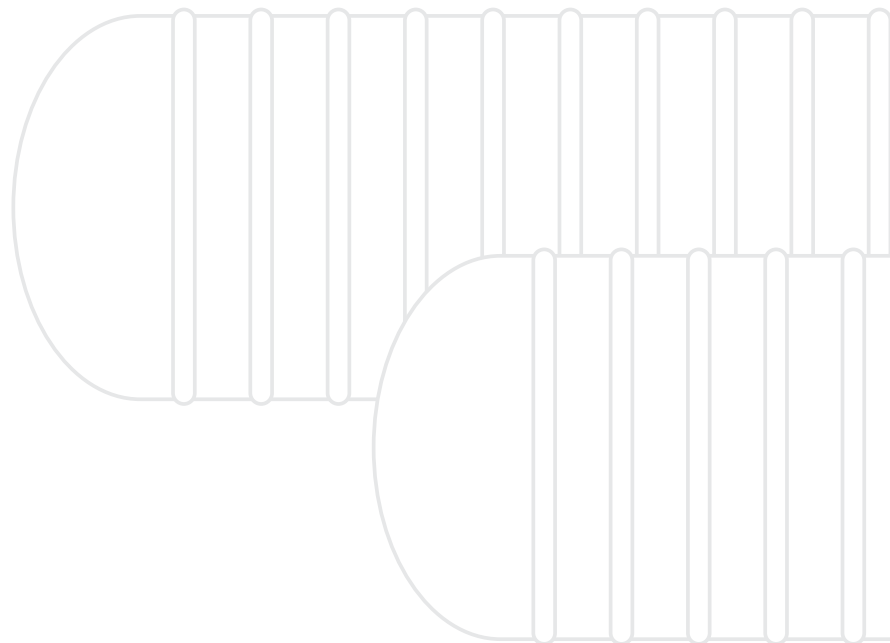
Underground Aviation Tanks

Compartmented Underground Storage Tanks

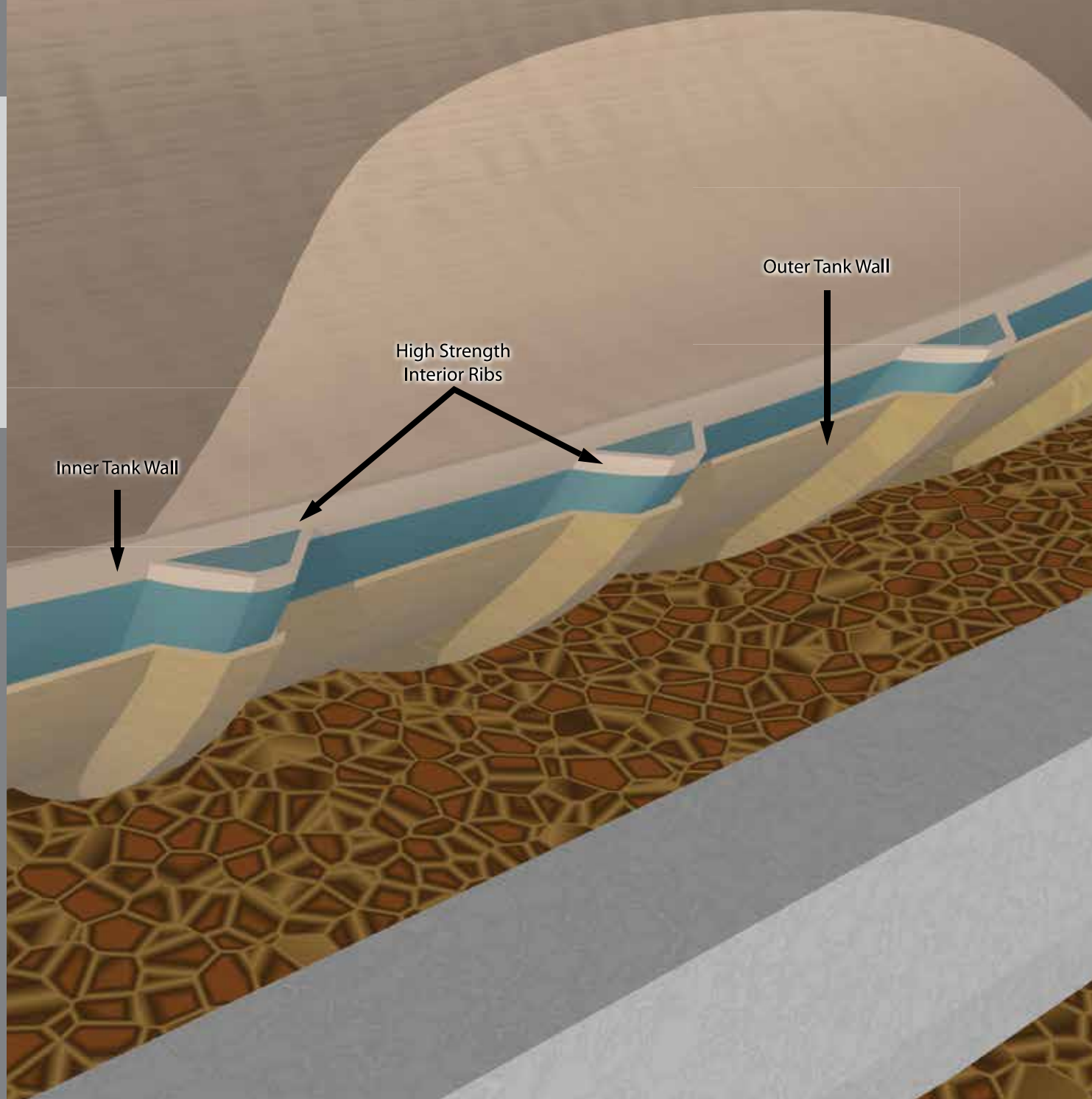
Underground Oil/Water Separators and Interceptors

Water/Wastewater Tanks

Chemical Storage Tanks



DOUBLE - WALLED



Two (2) structural walls provide the ultimate in leak prevention.

That's Envirotank true Double-Walled protection.

Envirotank Double-Wall Tanks deliver state-of-the-art protection

Envirotanks advanced double-wall technology gives owners, municipalities and States proven protection against petroleum contamination of the environment and underground water supplies.

In addition to our design meeting UL 1316, our tanks fully comply with the Australian Standard AS 4897 in regard to secondary containment systems for underground storage tanks.

Without a single leak due to internal or external corrosion after 250,000 installations in the U.S. and thousands worldwide, Envirotank Double-Wall Tanks are proven and deliver the state-of-the-art environmental protection required for the strictest of conditions.

Don't settle for less than the ultimate in risk management

Envirotank Double-Wall Tanks give you two levels of protection, so you have twice the assurance and twice the risk management that any single-wall tank can offer. Both the primary tank and outer tank are structurally designed to contain your fuel. In the unlikely event that there is a breach in the primary tank, the outer tank will contain your product and prevent a spill into the environment at normal operating conditions and test pressures.

System testing assures you of product tightness

Continued assurance in the integrity of Envirotank double-wall tanks can be determined by testing at the jobsite - prior to, during and after installation - to prove the durability and product tightness of both the primary and outer tanks. With some competitive tanks, the secondary walls or jackets cannot be positive pressure tested during or after the tanks have been installed.

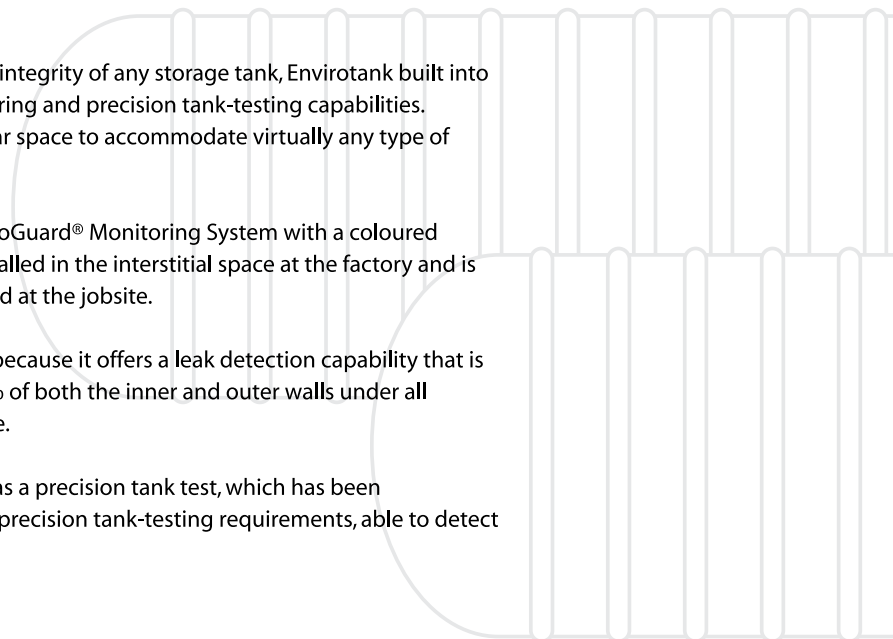
Continuous monitoring and precision tank-testing capabilities are built in

Because it is comforting to be able to test the ongoing integrity of any storage tank, Envirotank built into each of our double-wall tanks both continuous monitoring and precision tank-testing capabilities. Envirotank Double-Wall Tanks provide a defined annular space to accommodate virtually any type of monitoring method you choose - wet or dry.

Our tanks can be supplied with a factory installed HydroGuard® Monitoring System with a coloured monitoring fluid. The brine is a dark blue colour preinstalled in the interstitial space at the factory and is used to perform visual leak testing during shipment and at the jobsite.

We recommend the HydroGuard® Monitoring System because it offers a leak detection capability that is superior to other methods. It constantly monitors 100% of both the inner and outer walls under all installed conditions. Steel tanks do not offer this feature.

The HydroGuard® Monitoring System can also double as a precision tank test, which has been independently tested and validated to meet EPA & AIP precision tank-testing requirements, able to detect leaks as small as 0.76 litres per hour.



Envirotank Double-Wall Tanks are Rustproof

Fibreglass tanks simply will not rust- inside or out, on all four surfaces of the primary and outer tank. That's the reason Envirotank fibreglass tanks have proven to be safe, cost-effective containment

solutions for petroleum and related products. The simple fact is, that after nearly 250,000 installations since the early 1960s, not a single leak has been attributed to internal or external corrosion.



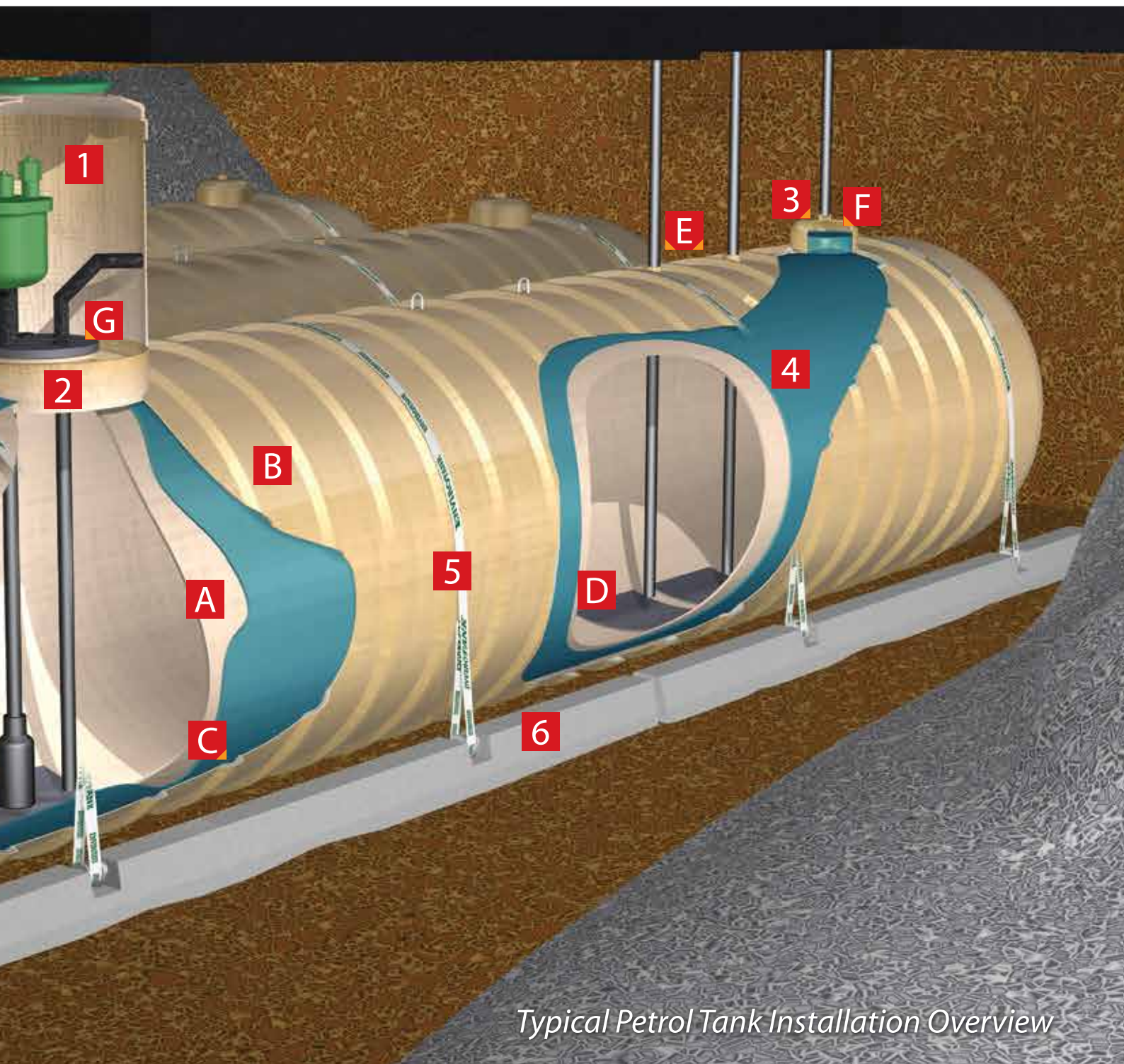
True Double-Wall Construction Means High Strength

We build strength and quality into every double-wall tank from the beginning. Primary tank and outer tank walls with specifically designed ribs act together to form a structural system that distinguishes the Envirotank as a true double-wall tank.

Secondary Containment Provides a Full 360° of Protection

You can count on total protection from Envirotanks double-wall tank. Only Envirotanks provide a true 360° of secondary containment that includes

compartmented tanks that are available with dry or wet monitoring of the annular space that can detect leaks in inner and outer walls under all conditions.



Typical Petrol Tank Installation Overview

Standard Double-Wall Envirotank Features:

- A. Primary Tank
- B. Outer Tank
- C. Flow Channels
- D. Tank Bottom Deflector Plates
- E. Primary Tank Fittings
- F. Monitoring Reservoir
- G. 600mm Access way with 5 100mm BSP Sockets

Recommended Accessories from Envirotank:

- 1. FRP Turbine Enclosure
- 2. FRP Secondary Containment Collar
- 3. Reservoir Sensor
- 4. HydroGuard® Fluid.
- 5. Safety Hold Down Strapping System
- 6. Deadman Anchor Systems

HydroGuard® Monitoring System guards against leaks and liabilities

Envirotank recommends the HydroGuard® Monitoring System for double-wall tanks because of its superior leak detection capability. By filling the cavity between the inner and outer tank walls with a non-hazardous liquid, hydrostatic pressure is continuously applied to both the primary and secondary tank. This system is capable of detecting tank leaks in either the primary or secondary tank walls for all installed conditions.

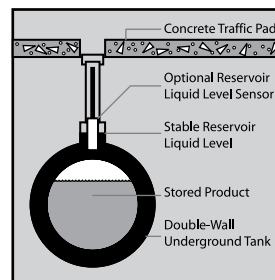
The HydroGuard® Monitoring System, with a stand pipe, can also serve the dual function of a precision tank test.

The system has been independently tested and statistically validated to meet EPA and AIP criteria as a precision tank test. Using a stand pipe, the system has been shown to be capable of detecting leaks as small as 0.76 litres per hour with a 99.9% probability of detection and less than a 1.2% probability of a false alarm.

Envirotank Double-Wall tanks include the fibreglass reservoir necessary for the HydroGuard® Monitoring System. The HydroGuard® Monitoring System provides continuous leak detection while avoiding false alarms caused by changes in product temperature, product level or groundwater conditions.

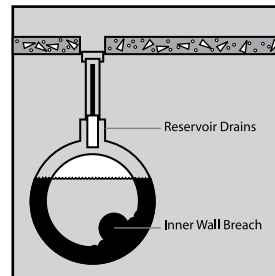
Normal Conditions

The reservoir liquid level will be stable if both the inner and outer tanks are tight. The optional reservoir sensor will activate an alarm if the reservoir drains or overfills.



Inner Wall Breach

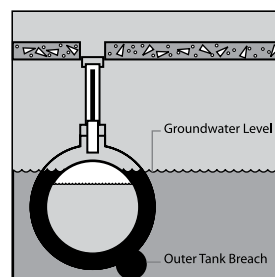
HydroGuard® fluid drains into the primary tank causing the reservoir liquid level to drop. No petroleum product escapes from the primary tank to contaminate the annular space.



Outer Wall Breach

Groundwater Below Tank Top

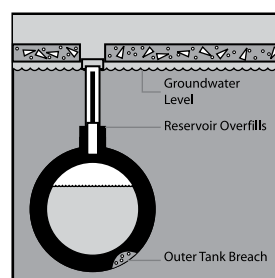
If the groundwater is below the tank top, the HydroGuard® fluid drains into the ground, causing the reservoir liquid level to drop.



Outer Wall Breach

Groundwater Over Tank Top

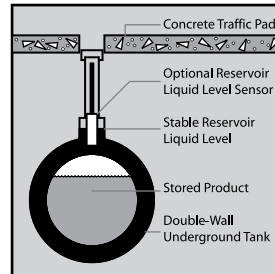
If the groundwater is over the tank top, the reservoir will fill up with groundwater.



Wet Annular Space

HydroGuard® Hydrostatic Monitoring System

1. Use antifreeze solution in cold climates.
2. Maximum burial depth from tank top is 2.1m below grade.
3. Monitoring cavity must be vented to the atmosphere at all times.
4. After installation, set the liquid level in the reservoir so reservoir is half full.
5. The optional reservoir sensor if installed will alarm for preset events.



Monitoring System with Liquid Sensor

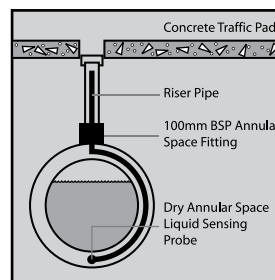
Typical configuration for an electronic sensor or manual dipstick.

1. Use the standard monitoring fitting.
2. Monitoring cavity can be vented or sealed.

Dry Annular Space

Envirotank also provides the option of a factory-installed “drawstring” at the annular space monitoring fitting, to assist in positioning liquid sensors at the bottom of the annular space.

If your tank is ordered with a dry annular space, but fitted with the optional fibreglass reservoir (instead of a monitoring fitting), the drawstring will be positioned within the reservoir.



HydroGuard® Accessories

Antifreeze Mixtures

In areas where ambient temperatures or delivered products may be subjected to freezing conditions, an antifreeze solution must be used with the HydroGuard® Monitoring System to avoid potential tank damage.

Electronic Systems

Monitoring and inventory control components can be configured to satisfy a wide range of customer requirements. Optional electronic monitoring components can be used to continuously monitor HydroGuard® levels, or to monitor dry annular spaces for the presence of water or hydrocarbons. A range of sensors and gauges are available for double wall and single wall monitoring, inventory control and reporting requirements.

The Hydrostatic Monitoring System is the best at leak detection because it is continuously monitoring the complete inner and outer tank.

Envirotank Double-Wall Tank Warranty

We warrant that our underground tanks if installed underground with proper backfill and otherwise installed in accordance with our written instructions.

1\ Will meet our published specifications and will be free from defects in materials and workmanship for a period of one (1) year following the date of delivery by us:

2\ Will not fail for a period of thirty (30) years from the date of original purchase due to external corrosion:

3\ Will not fail for a period of thirty (30) years from the date of original purchase due to Internal corrosion provided the tank is used solely, with, or without tank water bottoms for the following products:

A\ Petroleum products including, gasoline, jet fuel, av-gas, motor oil (new or used), kerosene or diesel fuel at ambient temperatures.

B\ Fuel oil at temperatures not exceeding 65°C.

C\ Alcohol-gasoline blend motor fuels.

1\ Ethanol blends - Gasohol (90% gasoline and 10% ethyl alcohol).

2\ Methanol blends.

- Oxinol - 50 waiver (90.5% gasoline and 9.5% Oxinol - 50 composed of a mixture of 4.75% and 4.75% GTBA).

- Dupont EPA waiver (gasoline with 5% methanol and a minimum 2.5% co-solvent. The blend may contain a concentration of up to 3.7 weight percent oxygen in the final fuel).

D\ Oxygenated motor fuels - gasoline with up to 20% (by volume) of methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), tertiary butyl alcohol (TBA), tertiary amyl methyl ether (TAME), or tertiary amyl ethyl ether (TAEE).

E\ Any gasoline/water/ethanol or methanol blend including 100% ethanol, methanol or M85 (85% methanol) at ambient temperatures.

4\ Will not leak for a period of thirty (30) years from the original date of purchase due to structural failure, which shall be defined as breaking or collapse, provided the installation is in Australia or New Zealand and is performed and validated by a contractor trained by ENVIROTANK or MASKELL, and with current certification, and is used as stated above.

Our liability under this warranty shall be limited to, and at our option, (i) repair of the defective tank, (ii) delivery of a replacement tank to the point of the original delivery, or (iii) refund the original purchase price of the tank and we shall not be liable for any labour, other material or installation costs, indirect or consequential damages or other damages in connection with such tanks.

THE FOREGOING CONSTITUTES OUR EXCLUSIVE OBLIGATION AND WE MAKE NO EXPRESS OR IMPLIED WARRANTIES, OR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE WHATSOEVER, EXCEPT AS STATED ABOVE.

Accessories Warranty

All accessories manufactured by Envirotank are warranted to be free from material defects in workmanship and materials for a period of one (1) year following date of original manufacture. Envirotank's liability under this warranty shall be limited, at our option, to (i) repair of the defective unit, (ii) delivery of a replacement unit to the point of original delivery, or (iii) refund of the original price. Envirotank shall not be liable for any labour, material or other installation costs and shall not be liable for any special, indirect, consequential or other damages except as stated above in connection with such tanks, including, without limitation, costs, expenses or liabilities associated with environmental contamination, fires, explosions or any other consequences allegedly attributable to a breach of the warranty or damages under deceptive trade practices or similar consumer protection acts.

THE FOREGOING CONSTITUTES OUR EXCLUSIVE OBLIGATION AND ENVIROTANK MAKES NO EXPRESSED OR IMPLIED WARRANTIES, OR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE WHATSOEVER, EXCEPT AS STATED ABOVE.

Failure to install the tank and accessories or monitoring equipment in accordance with the Envirotank's installation instructions will void the warranty.

Envirotanks Intended Use

Envirotanks are designed for the storage of petrol, alcohol blended petrol (with up to 100% methanol or ethanol), jet fuel, av-gas, motor oil, kerosene, diesel fuel, bio-diesel blends, diesel exhaust fluid, oxygenated fuels (up to 20% MTBE), or potable water at ambient underground temperatures. Fuel oil may be stored at temperatures not to exceed 65°C. The storage of other liquids may result in tank failure. Before storing liquids other than those listed above, contact Envirotank for further guidance.

Installation Overview

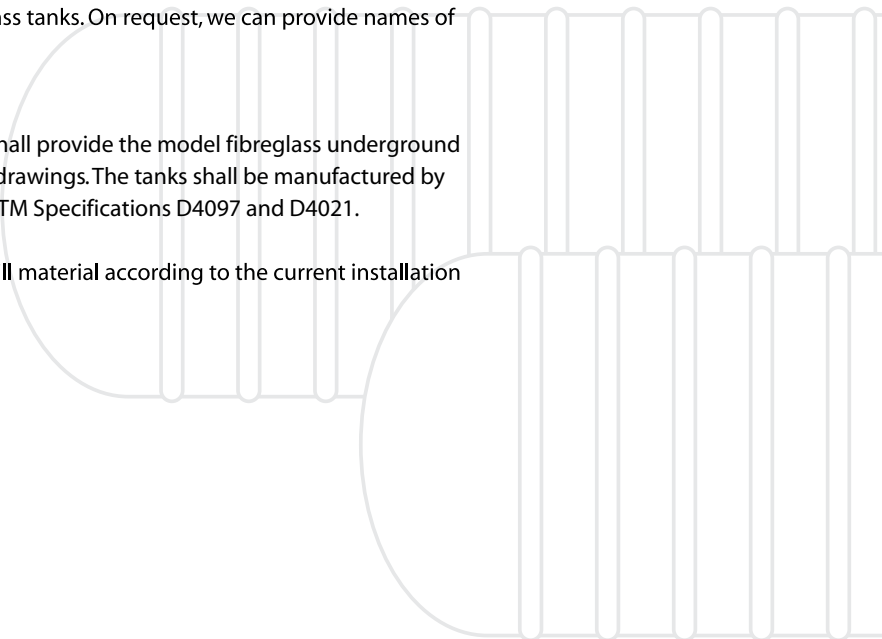
Envirotanks must be installed in accordance with the installation instructions, this document should be part of your tank specifications. Some key installation steps are highlighted below. See the published installation instructions for complete details. All tanks must be mechanically unloaded from the delivery truck using a crane (using all lift lugs provided to lift the tank). All tanks must be vented at all times and are intended to be operated with fluid in the tank no higher than the tank top. Envirotanks are designed for operation at atmospheric pressure only, except when using vapour recovery systems, provided the pressure or vacuum does not exceed 7 kPa maximum on the primary tank. Over pressurising of the primary tank may result in tank failure. For additional details, request Envirotanks Underground Installation Instructions.

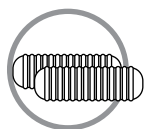
Properly installed, fibreglass underground petroleum storage tanks can provide extended service in storing petroleum products without corrosion-caused leaks and without maintenance. Envirotank maintains a listing of independent contractors who have received educational materials from Envirotank covering the proper installation of underground fibreglass tanks. On request, we can provide names of educated contractors.

Tanks For Fuel Storage Specification: Short Form

Autocad drawings are available on request. Envirotank shall provide the model fibreglass underground storage tanks in sizes and with fittings as shown on the drawings. The tanks shall be manufactured by Envirotank to meet the requirements of UL 1316 and ASTM Specifications D4097 and D4021.

Tanks must be tested and installed with approved backfill material according to the current installation instructions provided with the tank.





ENVIROTANK

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