

# CHOOSING THE RIGHT SEPTIC TANK

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## Why Roth Plastic Tanks Are a Great Option

When it comes to septic tanks, homeowners and contractors often face a choice between concrete and plastic (polyethylene) tanks. While both have their pros and cons, modern plastic tanks, like the Roth MultiTank, offer several compelling advantages that make them a fantastic choice for many properties. Let's dive into why a Roth plastic tank might be the best fit for your needs.

## Concrete Tanks: The Traditional Choice

Concrete septic tanks have been around for a long time and are known for their durability. They can last up to 40 years with proper maintenance and are resistant to ground shifting and external pressure. This makes them ideal for areas with heavy vehicle traffic or shifting soils. However, concrete tanks are very heavy, making them costly to transport and install. They can also crack over time, leading to potential leaks and environmental hazards. Repairs can be challenging and expensive, often requiring specialized equipment and labor.

## Plastic Tanks: The Modern Alternative

Plastic septic tanks, particularly those made from polyethylene, offer a lightweight and easy-to-install alternative to concrete. They are cost-effective, resistant to corrosion and rust, and flexible enough to withstand minor ground shifts without cracking. Plastic tanks are also easier to maintain and replace, making them a practical choice for many homeowners.



## Why Choose a Roth Plastic Tank?

The Roth MultiTank stands out in the plastic septic tank market for several reasons:

1. **Easier Installation and Lower Labor Costs:** The lightweight nature of plastic tanks means they can be transported and installed without heavy machinery. This reduces installation labor costs dramatically. For example, a concrete tank might require a crane rental and a big crew for a full day, whereas a plastic tank could be installed with just a backhoe and a couple of workers in a few hours. This simplicity of installation also means less disruption to your property and a faster project timeline.

2. **Lower Maintenance:** Plastic septic tanks won't rust or corrode, and they have no joints that can weaken. The main maintenance is just regular pumping and keeping the inlet/outlet filters clean. There's no need to patch cracks or apply sealants as with aging concrete. Their flexibility also means they tolerate minor ground shifts without damage. With proper use and routine pumping, a quality polyethylene tank can last for many decades – often 30 years or more of reliable service.
3. **Suitable for Challenging Soil Conditions:** If your soil is acidic or otherwise aggressive, a concrete tank may degrade over time – but a plastic tank will not be affected by acidic soils at all. This makes plastic a better choice in regions with low pH soil or high sulfate content. Additionally, in areas with high groundwater or clay, where you might prefer a shallower burial, plastic tanks come in designs (like low-profile models) that can work in these conditions. Rather than fighting the environment, a poly tank can adapt to it – for instance, by being installed shallower to avoid water table issues.
4. **Resistant to Rust and Corrosion:** Septic environments can be harsh – the combination of wastewater gases, moisture, and soil can corrode metals and even eat away at concrete over time. Plastic tanks are completely immune to rust and won't corrode, even in perpetually damp or acidic conditions. This corrosion resistance means you won't have the tank material itself breaking down and leaching into the environment. For homeowners, this offers peace of mind that the tank will remain watertight and structurally sound without special coatings or treatments.



### **The Roth MultiTank: A Superior Plastic Option**

One of the leading options in the plastic septic tank market is the Roth MultiTank. This innovative tank is designed to address many of the concerns that people might have about using plastic, making it a strong contender even when compared to concrete. Here's why the Roth MultiTank stands out:

**Unique Multi-layer Polyethylene Construction:** The Roth MultiTank isn't just a single layer of plastic – it's built with a special four-layer co-extruded design. This multi-wall construction gives the tank exceptional strength and stability, while still maintaining the corrosion-proof benefits of plastic. It's a polyethylene tank engineered to deliver concrete-like durability.

**Versatility in Use:** True to its name, the MultiTank is designed for multiple applications. The same tank can serve as a septic tank, a pump chamber, a holding tank, or even a rainwater cistern. This versatility is possible due to the robust construction and thoughtful design. For the end user, this means if you install a Roth MultiTank for one purpose, you have the flexibility to repurpose it in the future if needed.

**Industry-leading Warranty:** Roth backs the MultiTank with one of the best warranties in the industry – a testament to their confidence in the product’s longevity. Each tank comes with lifetime protection against corrosion and even includes a 5-year labor coverage warranty to cover the cost of any needed repairs. This is an important point because while many manufacturers will warranty the tank material, very few will cover labor.

**Lightweight Design:** Despite its heavy-duty build, the MultiTank remains relatively lightweight compared to a concrete tank of similar capacity. Installers can handle it without special equipment like cranes, which makes the installation process faster and more affordable. Its design is also “low-profile,” meaning it has a shallow depth, requiring less excavation. A shallower hole is not only easier to dig, but also safer in areas with high water tables.

## Conclusion

Choosing the right septic tank is about finding the best fit for your needs. Concrete tanks offer time-tested durability and can handle extreme conditions, but they come with higher costs and maintenance challenges. On the other hand, plastic tanks, especially the Roth MultiTank, provide greater flexibility, easier installation, and resistance to corrosion. They are a reliable, modern solution that can save you time and money while keeping your wastewater management running smoothly for years to come.

If you value ease of installation, lower maintenance, and a reliable, modern design, a plastic septic tank such as the Roth MultiTank is definitely worth considering. It provides a long-lasting, environmentally sound solution that can save you time and money, while keeping your home’s or business’s wastewater management running smoothly for years to come.

**For information on the Roth MultiTank please contact your Source Atlantic Plumbing & Heating Specialists!**

<https://www.sourceatlantic.ca/plumbing-and-heating>



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