Roth MultiTank®
Frequently Asked Questions

Thank you for your interest in the Roth RMT series polyethylene tanks. Our tanks are manufactured by a unique and proprietary blow-molding process resulting in the most structurally sound polyethylene tank on the market. While we hope that you purchase a Roth tank for virtually a lifetime of service, we understand that you may want to review other products in order to make an informed decision.

Over the years, many myths and misperceptions about polyethylene tanks and testing methods have been propagated by those selling less expensive tanks. We regularly answer very direct and important questions about the testing of our tanks and their structural integrity and we think other manufacturers should as well. When you review the various products available on the market, please make sure that you ask the following questions of any given manufacturer to fully understand the quality and integrity of the product you are buying. If for some reason, there is something else you want to know, just ask us!

Q: What is the highest vacuum level Roth tanks have been tested at?

A: Roth tanks are routinely tested at vacuum levels exceeding 6" Hg with a maximum vacuum level of 9.5" Hg.

Q: What happens to the tank when vacuum testing to higher levels?

A: In a word, nothing. The tanks deform and twist, but of the hundreds of tanks vacuum tested by Roth there has never been a rupture, tear, fracture or breach of any kind. Every single tank tested by Roth to any level of vacuum has remained 100% watertight.

Q: If Roth tanks can sustain such a high level of vacuum testing, why do some other manufacturers warn not to test their tanks above 2.5" inches of mercury vacuum pressure?

A: Good question. Roth routinely vacuum tests our competitors tanks to benchmark the performance of our product. While all tanks perform differently, one competitor's product actually implodes catastrophically at just over 6" Hg.

Q: Do all manufacturer's vacuum test their tanks?

A: Yes. In some States, most notably Florida, vacuum testing is required for State approval. Vacuum testing is universally used by tank manufacturers, regulators and engineers as the overarching structural test for all plastic tanks. This is why it is so important to ask detailed questions about vacuum testing and understand the implications of the results when compared to actual installed conditions.

Q: I noticed a thick rib at the middle of the Roth tank. Is that a seam?

A: No. The rib you are referring to it is called the mold part-line. All Roth tanks are 100% seamless and are formed using 125 psig air. Any seams or joints are a potential leak path, especially if they are at the middle of the tank below the liquid level.

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Q: Is there any assembly required with Roth tanks? For example do I have to install the compartment wall?

A: No. Roth tanks are fully assembled and ready to go. The only work you have to do is drill the holes for the piping and you are good to go. Many State's prohibit any field assembly or modification to the tanks after leaving the manufacturing facility.

Q: Excavating and installing tanks can be pretty rough on the products being installed. What happens if I drop my Roth tank off my trailer or push it around with my bucket?

A: There's a good chance you might damage your bucket, but you certainly won't hurt the tank. Roth tanks are extremely durable and are regularly bounced, pushed, rolled and generally banged around with heavy equipment. Avoid sharp edges such as the teeth on a backhoe as you can puncture the tank, but you basically cannot damage it from rough treatment.

Q: Roth claims to have the best warranty in the industry. What exactly is covered or is this one of those "limited warranties"?

A: Roth's warranty is by far the best in the industry and is all based on our certified installer program, another industry leading program by Roth. Once an installer has been trained on installing Roth tanks he is now a certified installer. Installations performed by certified installers come with a lifetime warranty against corrosion, a 5 year warranty against failure due to workmanship or material defects AND up to $2500 in labor support to remove the defective tank and install a new tank. In short, not only will we replace the product free of charge, but we will pay your contractor up to $2500 for the work.

Q: Roth tanks cost more than other plastic tanks. Why is this? Isn't plastic just plastic?

A: Far from it. There are literally hundreds of grades of thermoplastics and the blow-molding resin used by Roth has higher average density, flexural modulus, tensile strength, tensile impact and elongation specifications than most of the resins used by our competitors. In addition to the resin properties, Roth tanks are generally much thicker than our competitor's tanks. Ask about the weight of the tank before you purchase as this is often a very good indicator of the structural integrity of the product.

Q: Why are Roth tanks internal surfaces white in color?

A: Roth's blow-molding machine utilizes a four-layer extrusion head that allows us to line the wetted surface of the tank with an NSF-61 listed resin so all Roth tanks (except our 300 G) can be used for potable water storage in addition to being used for onsite wastewater. This multi-purpose feature allows our distributors the benefit of stocking only one tank.