

PRECAST CONCRETE ON-SITE WASTEWATER TANKS



GUARDING THE GROUNDWATER

There is nothing glorious about this important job. Yet, with more than 40 million homes in the United States using on-site wastewater systems to protect the community's groundwater, precast concrete tanks have built a reputation for being perfect for the job.

Resistant to bouyant forces, easy to install and watertight, precast concrete on-site wastewater tanks operate successfully where municipal sewers are not an option.

The clarified effluent is discharged from the tank after solid wastes settle. Then, the surrounding soil filters the discharge, providing protection of watersheds and ensuring ground and surface water quality.

It's no wonder why so many people have come to rely on precast concrete on-site wastewater tanks.

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makes it possible™



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STRENGTH

Precast concrete gradually strengthens over time. Other products can deteriorate and lose strength. Because they are structurally sound, precast concrete on-site wastewater tanks can be pumped empty without fear of having the tank collapse.

RESISTANT

With a specific gravity of 2.40, precast concrete on-site wastewater tanks resist buoyant forces better than tanks made from lightweight materials. Additional labor-intensive and time-consuming on-site preparation is often required to anchor structures made from more buoyant materials.

ENVIRONMENTALLY FRIENDLY

Besides water, concrete is the most frequently used material on earth. It is nontoxic, environmentally safe and made from natural materials, making it an ideal material for on-site wastewater tanks. Concrete is used throughout North America in various applications and does not affect groundwater or surface water quality.

WATERTIGHT

Precast concrete can be made watertight when produced in accordance with the "NPCA Best Practices Manual for Precast Concrete On-site Wastewater Tanks" and/or ASTM C 1227, "Standard Specification for Precast Concrete On-site Wastewater Tanks." These industry standards specify the necessary procedures to be followed during the manufacturing of watertight tanks.

Standard sealants are specially formulated to adhere to precast concrete and produce a watertight joint. When proper installation and application standards are followed, complete watertightness is ensured.

CUSTOMIZABLE

Precast concrete on-site wastewater tanks can be produced in a wide variety of configurations (such as two-piece tank, monolithic tank with separate cover and seamless, one-piece monolithic tank) that meet local standards worldwide. They can also be designed to withstand a broad range of soil and loading conditions.

A STRONG CASE

Precast concrete is the material of choice for on-site wastewater tanks. Precast concrete on-site wastewater tanks are watertight, durable during storage and transportation, easily installed, resist damage better than other products during backfill and are environmentally safe.

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