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CONCRETE FOUDATION GUIDE

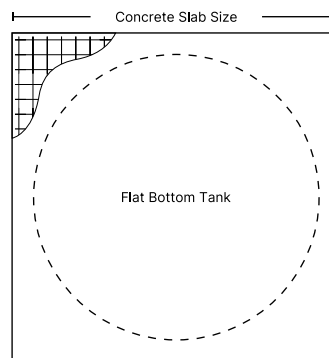
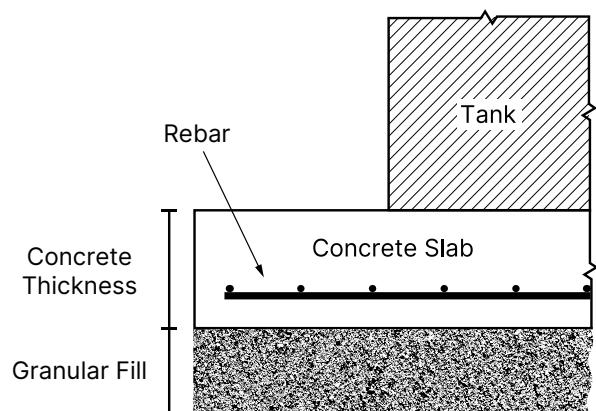
Concrete Foundation Guide for Flat Bottom Tanks

Soil Preparation:

- Remove sod, organic materials, and debris before laying the gravel fill
- Replace with well-compacted granular fill meeting the required load-bearing capacity

Construction Specifications:

- Use deformed reinforcing bars with a minimum yield strength of 40 ksi (300 mPa)
- Design the slab for a minimum soil bearing capacity of 3,000 psf (140 kPa) and a subgrade modulus of at least 200 psi/in (54 mPa/m)
- Use concrete with a 28-day compressive strength of at least 4,000 psf (28 mPa)



TANK WEIGHTS & CONCRETE SLAB SPECIFICATIONS SCHEDULE

TANK MODEL	FILLED TANK WEIGHT (LBS.)	SLAB SIZE	CONCRETE THICKNESS	GRANULAR FILL THICKNESS	REBAR SIZE	REBAR SPACING
1840	917,310	20'	20"	24"	20M or #6	10"
1640	725,115	18'	20"	24"	20M or #6	12"
1440	554,290	16'	18"	24"	20M or #6	12"
1340	478,730	15'	18"	24"	15M or #5	12"
1235	358,000	14'	18"	24"	15M or #5	12"
1220	207,545	14'	14"	16"	15M or #5	12"

*Filled tank weight is calculated based on liquid fertilizer 28-0-0 @ 11.65 lbs per US GAL

Legal Disclaimer:

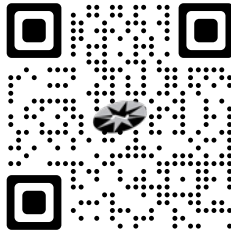
The information, specifications, and recommendations provided in this guide are for general informational purposes only and are intended to serve as a reference for typical applications and methods used in various locations. This guide is not a substitute for professional engineering advice, design, or analysis. It is not an officially stamped recommendation, and its use does not relieve the user of their obligation to comply with all applicable laws, codes, and regulations.

User Responsibility

The user is solely responsible for ensuring the proper design, installation, and use of any foundation for a stainless steel liquid storage tank. Before beginning any project, you must:

Consult a qualified, licensed engineer who is familiar with local soil conditions, seismic activity, and other environmental factors.
Adhere to all local, provincial, state, and federal building codes, ordinances, and standards.
Obtain all necessary permits and approvals from the relevant authorities.

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