

Waite Concrete Products, LLC

Anti-buoyancy: 3000 Gallon Tank

Minimum Cover-24”

The following is a list of methods that may be used, as additional precautions, to insure tank submergence in area with high ground water.

1. Require a minimum cover of 24” where there is high groundwater.
2. After setting the tank, pour an additional thickness of concrete over the tank top 3” minimum extending a minimum of 12” beyond the sides of the tank.
3. Concrete buoyancy blocks secured with stainless steel cables placed over tank.

Calculations in feet:	Tank:	Cover:
Length	12.50	12.50
Width	7.17	7.17
Height	7.33	2.00
Volume	656.94	205.30
Water Weight (lb)	41011	
Tank Weight (lb)	24260	
Weight to Balance (lb)	17011	
Weight to Cover (lb)	17302	

Density:

62.43 Water (lb/ft³)

1.35 Soil Factor (typical bulk density)

84.28 Soil (lb/ft³)

2.21 Concrete Factor

8.24 Concrete (lb/ft³)