

Waite Concrete Products, LLC

Anti-buoyancy 1500 Gallon 2-Compartment Tank

Minimum Cover-18"

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 18" 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	10	10
Width	6.25	6.25
Height	5.50	1.50
Volume	343.75	78.13
Water Weight (lb)	21459	
Tank Weight (lb)	14900	
Weight to Balance (lb)	6559	
Weight to Cover (lb)	6584	

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)