

Loads: Top = 400 psf
Lateral Load = 62.4 pcf
Concentrated Wheel Load = 2500 lb.

The septic tank shall be capable of withstanding long-term hydrostatic loading, in addition to the soil loading, due to a water table maintained at ground surface. Soil Bearing = 1500 psf (*re-evaluate support base if soil bearing is less or unequal*)

The walls and bottom slab shall be poured monolithically.
Reinforcing steel shall be ASTM A-615 Grade 60, $f_y = 60,000$ psi.

Concrete: The concrete shall achieve a minimum compressive strength of 4,000 psi in 28 days; $f_c' = 4,000$ psi. Concrete shall be ready mix with cement conforming to ASTM C-150, Type II. There shall be a content of not less than six and one half (6 1/2) sacks per cubic yards and maximum aggregate size of 3/4 inch. Water/Cement ratio shall be kept below 0.4, (W:C 0.35±). Air-entraining agents and fibrous reinforcement will enhance workability, curing and watertightness of the tank; however, their usage is optional.

Tanks shall not be moved from the manufacturing site to the job site until the tank has cured for seven (7) days, or has reached two-thirds of the design strength. Proper curing techniques must be used to ensure watertight tanks.

Installation: Installation, bedding, compaction, etc., shall be in strict compliance with the manufacturers standards and state of Oregon's on-site rules 340-71 and 73. All tanks shall be set level on a minimum 3 inch thick compacted sand or approved granular bedding overlying a firm uniform base. The base shall be stable and uniform in order to ensure equal bearing across the tank bottom. Installations with 24 inches or less of ground cover may require additional buoyancy considerations as described in the manufacturers instructions. A minimum cover of 12 inches is required over the tank in areas subject to occasional light wheel loads.

Test: Tanks shall be tested and certified watertight per Oregon On-Site Rules 340-71 and 73.

Dosing: Dosing volumes not to exceed maximum limits set by Oregon on-site rules 340-71 and 73. Maximum percent of projected daily flow: 10% to sandfilters or 20% in other applications. Maximum discharge rate from single compartment dosing tank is 30gpm. *Float and dosing levels may vary within the limits of the onsite rules. For timer controlled systems call for instructions.*

ADVANTAGE PRECAST I N C.

1302 Candlewood Dr N Voice: (503) 390-2048
Keizer, Oregon 97303 Fax: (503) 390-1645
www.advantageprecast.com

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STANDARD TANK NOTES

Concrete: N/A
Weight: Approx. N/A

DATE:

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