

FOR INFORMATION ONLY

DURA TANK

Suggested Slab Specifications for All DuraTank Vertical Asphalt Emulsion Storage Tanks

1. 12" thick slab with bottom reinforcing of #6 rebar at 9" spacing in both directions, and top reinforcing of #5 rebar at 5" spacing both directions. Clear cover of 2.25" should be provided to top rebar layer and 2.5" to bottom layer of rebar.
2. ½" thick 14" x 14" lag plates anchored to the slab via 4 #4 rebar per plate, embedded into slab. Due to the slab being 12" thick, put a 90 degree bend approximately 9.5" down and extend past the bend 4" minimum.
3. 2' diameter by 3' deep drilled shafts placed beneath the slab at each of the 4 legs to provide lateral support an extra dead load to resist potential uplift. 2' diameter shaft consists of 8 #7 rebar vertically enclosed with a #3 spiral at 6" pitch. Vertical rebar should extend 6" minimum into slab.

Above recommendations are made assuming 3,000 psi concrete and 60,000 psi reinforcing steel are used.

Foundation preparation, installation, and wiring of asphalt storage tank are not included and would be the responsibility of the customer. Any requirements necessary to meet ADEM or EPA regulations would be the responsibility of the customer.

This foundation plan is for **reference only**, Duraco highly recommends that the customer consult with their local building contractors and/or engineers to design a proper foundation to support the size DuraTank purchased for the site selected for installation and to meet local regulations.