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INSTALLATION GUIDELINES

Below Ground Tank Installation Guidelines

(For tanks such as grease traps, mixing tanks,
petrol and oil interceptors, settling tanks,
neutralizing tanks, cooling and straining tanks)

**Tradewaste authorities state that below ground tanks
must be surrounded with 100mm of concrete.**

Siting Considerations

1. Suitable location, close as practical to source of contaminated water. Easy accessibility for maintenance.
2. Water tap fitted with backflow prevention device located nearby for washing down.
3. Ensure correct cast iron cover in use for expected load limits.

Excavation and Preparation

4. Excavation to be a minimum of 100mm larger all around than size of Tank.
5. Sub surface to be compacted, fill with 20mm crushed rock if needed to 100mm below base of Tank.
6. Ensure inlet/outlet levels are correct. Inspect tank for damage.
7. Concrete to be a minimum of 28mpa.

Bracing and Pouring Concrete

8. Pour 100mm concrete pad, mesh reinforced.
9. Insert Y12 reinforcing bars through holes in keying strips.
10. Place Tank on top of concrete pad.
11. Internal walls of Tank to be braced to support weight of concrete.
12. We suggest using Timber Flooring/Structural Plywood and 70x35 pine noggins at 500mm centres for this purpose. (see diagrams overleaf)
13. Alternatively use stud and noggin frames spaced at no more than 500mm centres – vertical and horizontal.
14. For tanks over 800lt capacity we recommend installing end wall bracing.
15. Ensure walls are well supported, plumb and bracing will not move during concrete pour.
16. Pour concrete evenly all around to prevent Tank lateral movement.
(additionally the installer may progressively fill the tank with water during concrete pour to equal height of concrete to maintain equal pressures and to prevent the tank from 'popping' or take measures to prevent the tank from lifting).
17. Concrete to be poured level with top of Tank Flange.
18. Once concrete is set remove timber bracing from inside tank.

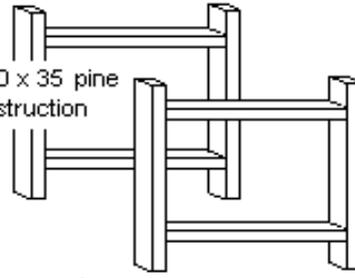
Cast Iron Cover

19. Place Cast Iron Cover on top of tank flange and concrete-in to required surface level.

Bracing Suggestions

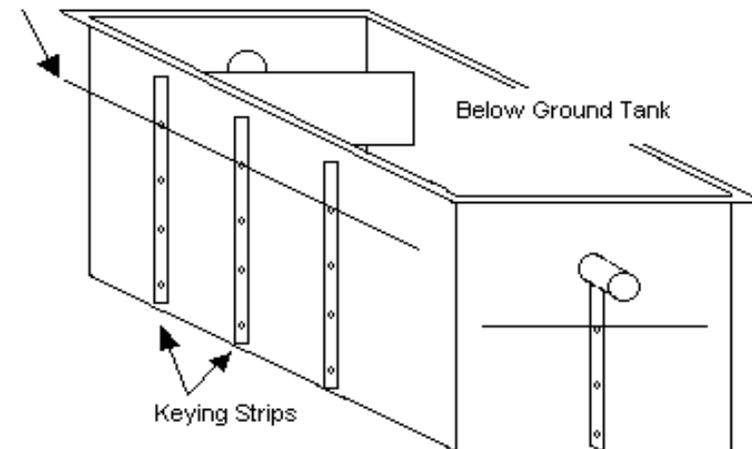
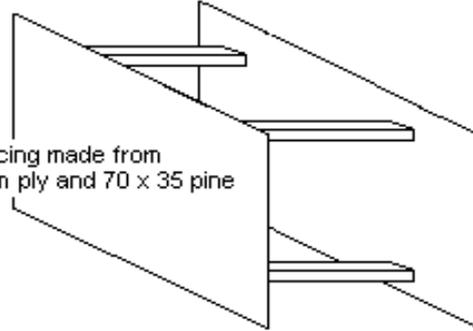
1. Bracing made from 70 x 35 pine stud and noggin construction

Bracing sized to fit between baffle and outlet pipe
Studs and Noggins to be at 500mm Centres



2. Bracing made from form ply and 70 x 35 pine

Y12 Reinforcing bars through keying strip holes



Typical Grease Trap Installation

