



Underground Oil Tank Installation Instructions

The following guidelines are to be used when installing your Ecosure Underground Oil Tank.

It is the responsibility of the end user to make sure their underground oil tank and installation is done meeting any legal requirements.

This document is a guide to installing your Ecosure underground oil tank, some sections of this guide may or may not apply to you as every install is different and presents different problems.

Before Installation

Before installation can begin we recommend that a full risk assessment be carried out. No Ecosure underground oil can be installed in wet ground conditions. This means at any time the ground water may rise above the base of the tank.

Excavation

- Allow a minimum of 270mm all round the tank
- Provide a hard core and concrete base for the tank.
- Use suitable pumps to keep the excavation dry until the installation is complete.
- Use suitable planking and strutting as necessary

The Base

- Lay 250mm thick hard core (this may change depending on your installation)
- Lay 60mm Sand blinding
- Lay 500 Gauge polythene sheet over the base of excavation

If necessary set temporary shuttering to contain the concrete surround



Lowering the Tank

- Lay a wet bed on concrete 150mm thick (strength 20N/mm². Slump test 50mm)
- Lower the tank slowly onto the concrete and check the tank is true and level.
- Haunch concrete 350mm up around the base of the tank

Back Filling

- It is vital to ensure that the tank is filled with water 300-500mm ahead of the concrete back fill.
- When back filling, evenly go around the tank with concrete (minimum 15 N/mm²) in 150mm layers.
 - Alternatively the concrete can be placed around an empty tank in four progressive lifts with a 12 hour delay between each lift to limit the concrete pressure.
DO NOT USE A VIBRATING POKER
- Complete concrete backfill to 200mm below tank lid
- Finish with gravel or earth
- Ensure that the tank lid is not covered