

Rainwater Tank Installation

Base Preparation & Construction



Construction of the water tank base is critical. The base must be flat, level and fully supporting the base and rim of the water tank. Damage to water tanks caused by poor base construction may not be covered under warranty

Concrete Slab

- A concrete slab is the preferred base for a steel water tank
- The slab should be a minimum of 100mm thick
- Concrete blend should be at least 25 MPA with F62 reinforcing mesh
- Concrete slab should be positioned on a flat, compacted area
- Tanks positioned on sloping ground may require extra thickness on lower side and a higher grade reinforcing mesh
- Slabs should be large enough to support all edges of the tank, at least 100mm greater than the diameter of the water tank

Crusher Dust

- Crusher dust bases are appropriate for larger diameter round tanks
- Base should be 100mm thick
- Crusher dust should be retained with a border to prevent base erosion or undermining
- Base should be large enough to support all edges of the tank, at least 100mm greater than the diameter of the tank
- It is recommended that drainage gravel/coarse aggregate should be spread over any exposed crusher dust once the tank is positioned on the base. This will prevent erosion

Concrete Pavers

- The tank site must be level and compact
- Concrete pavers should be placed on a bed of crusher dust, or sand and cement mix, at least 75mm thick
- Base should be large enough to support all edges of the tank, at least 100mm greater than the diameter of the tank
- Unless compacted, the base will settle. It is advisable to only fill the tank to the first two or three corrugations for at least 48 hours