



3. Bolted to concrete foundation



4. Retaining hooks



5. Rebar attached to hooks



2. Sealant applied underside



1. Bituminous coating applied



6. Cement pour around excavation completes the installation

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Optional specification burial chamber upgrade and high watertable installations

This method ensures where required that burial chambers remain secure and free from water ingress during extreme conditions.

- The burial chambers are given a bituminous coating and a continuous bead of polyurethane concrete sealant is applied to the underside of each chamber.
- The chamber is then bolted to a reinforced concrete foundation.
- External anchor hooks are then fixed to the external chamber sides and rebar attached to the hooks.
- A cement pour around the edge of the excavation completes the installation providing a sealed interment facility impervious to water ingress.

*Higher specification waterproof burial chambers are also available and manufactured to comply with BS 8102:2009 Type B construction.



7. Memorial products on site



8. Membrane overlaid chamber lids



9. Area finished in gravel



10. Finished site dressed and seeded

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Waterproof concrete Burial Chambers

What's the difference between waterproof concrete and conventional concrete?

Ordinary concrete contains fine pores which allow moisture to penetrate the surface and pass through. The size and volume of these pores is dictated by the water/cement ratio; the higher the ratio, the more porous the concrete. For welters® waterproof chambers the concrete pores are filled to create high density ensuring a watertight concrete.

Special concrete admixtures make the concrete watertight. One waterproofing admixture reduces the water/cement ratio, increasing the density of the mix and minimising the size of the pores. The second waterproofing admixture fills the remaining pores ensuring a completely watertight finish.

Benefits of using waterproof concrete

- No need for external membranes, reducing cost and labour
- Water resistant, quality-assured waterproof concrete
- Less susceptible to cracking
- Complies with BS 8102:2009 Type B construction.
- This standard promotes best practice in designing waterproof structures.