

NORTH COUNTRY STEEL

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CORRUGATED WATER TANKS



Steel Water Tank Pad Preparation

This tank pad preparation leaflet should be used for guidance only. It should be followed to ensure a correct foundation is laid for your NCS AQUAPLATE® tank. Specific details on the construction of the tank pad should be referred to an engineer for formal advice. North Country Steel accept no responsibility for the failure of a tank pad. Damage to your tank due to failure or movement of the tank pad is also not covered by the warranty. The base of your tank is made with double sided AQUAPLATE® i.e. the inside and outside of the tank base is coated with a polymer film to prevent corrosion. The tank may be in direct contact with the tank pad as the tank will not corrode. Please keep in mind that 1000L of water weighs 1000kg, and this is a significant force. NCS ask that Tank pads must be provided prior to delivery.

PREPARATION OPTIONS INCLUDE:

CONCRETE:

A concrete slab base is the most suitable base for your NCS AQUAPLATE® rainwater tank. Slabs must be large enough to support all edges of the tank, and should be at least 100mm longer and wider than the tank. Slabs must be allowed to cure for at least 7 days prior to placing a tank onto the slab. The slab must be flat, smooth and level.

STAND:

North Country Steel can provide Tank Stands. Only suitable for smaller tanks up to 6800 litre in round tanks or a 5000 litre Slim line tanks. The top of the stand must be flat, smooth and level. Tank stands may be made with varying leg lengths to accommodate a sloping site. Maximum 20mm gap between slats. The top of the stand may be constructed with Modwood or Eko-deck/ Hardwood/ Corrugated Sheet.

CONCRETE PAVER BASE:

Only suitable for smaller tanks. To use a concrete paver base, the area must be cleared down to firm earth. Once dug down to a firm surface, spread sand and cement mix 75mm thick over the entire base, level out then place concrete pavers flat on top. Once laid, shower the pavers with water to set the sand and cement. Paver base is to be large enough to support all edges of the tank. Do not fill tank above 2 corrugations for at least 24 hours.

ROAD BASE:

The Road Base must have no particles larger throughout. The road base is to be 150mm thick. It must be mechanically compacted, level and flat. A retainer wall must be placed around the road base to ensure it does not erode over time or is undermined by heavy rain. The base should be large enough to support all edges of the tank. Tank may be filled straight away. Coarse aggregate can be spread over any exposed road base, after the tank is positioned, to prevent erosion.

CORRUGATED STEEL RING:

Place corrugated steel ring 1-2 ribs into the ground— for extra support. Fill corrugated steel ring with Road Base & mechanically compact down. The ring will assist in retaining road base.

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