



Tank Division

Specialists in water & chemical Storage

BASE CONSTRUCTION REQUIREMENTS

One Piece Tanks and Internally Flanged Base sectional Tanks.

All Precolor Sales One piece and Internally Flanged base sectional tanks require a flat, even and fully supported base, the construction of which is the responsibility of the contractor. Bases are usually marine grade plywood, concrete or steel sheet.

The tolerances for the base are as follows :-

2mm in any Metre

6mm in any 6 Metres

Maximum deflection 1: 500

The base should not vary by more than the above tolerances when measured from side to side or corner to corner. The base should be free from any ridges or protrusions.

We would recommend the base size should be a minimum of 300mm longer and wider than the internal dimensions of the tank.

Example Tank Internal Dimensions 2440 X 1220 X 1220mm

Base size 2740 X 1520mm

We would suggest that any supporting steelwork underneath the tank base runs in one direction only and should be covered with marine grade ply wood (usually 25mm for tanks up to 1220mm high or 50mm for tank up to 2500mm.) or flat steel sheet. The responsibility for the calculation of the deformation of the base lies with the contractor.

The supports should be spaced at 500mm centres for metric tanks and 610mm centres for imperial sized tanks.

The above information is our recommendation and Precolor takes no responsibility for base construction if in doubt we would always advise that you consult a suitably qualified structural engineer.



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