ASSEMBLY DETAILS FOR TWO-PIECE & THREE-PIECE TANKS

1. Component Check.

Tank sections.
Nuts, Bolts & Washers.
Sealant.
Flange support channels (If required).

2. Flanges.

Ensure that flanges to all sections are clean and free from dust/grit etc….and totally dry.

3. Positioning of Bottom section & Base Support.

Position bottom section of tank on flat level surface so that **THE BASE OF TANK IS FULLY SUPPORTED OVER ITS ENTIRE AREA**. If placed on joists a minimum off 22mm plywood decking should be provided.

4. Sealant.

All sealants are **WRAS** approved products.
Roll out flange Deccaseal sealant gasket and apply (Butyl Rubber Surface Down) to the long flanges of the bottom tank section, ensure that the Deccaseal to the one edge of the tape is facing towards the inside of the tank and set back approx 5mm from the inside face.
Apply a second strip to fully cover other flange surface, any excess can be trimmed off after the sections have been bolted together (Care must be taken to ensure that the gasket is protected from dust and grit as this will impair the seal).
Apply Deccaseal to remaining flanges ensuring that a 12mm-15mm lap occurs at the corners etc…. over the previously laid gasket

5. Positioning of Top section.

Carefully lift and position the top section/middle section. Please take note to line up the bolt holes and ensuring Deccaseal is not disturbed.
Slide one washer on to the 12mm bolt. Push bolt through flanges (it may help to pre-punch holes through gasket with a screwdriver or similar instrument). Fit another washer and then nut to the underside of flange.
Repeat above procedure working around tank starting at one corner, tighten hand tight.

Please note that over a certain size of tank a galvanized steel flange channel will be installed to onto the flanges for extra support.

6. Tightening & Testing.

Proceed to tighten bolts mechanically in two stages working around the tank, stage 1 to approximately 30lbs/ft finally stage 2 to 50lbs/ft.
Fill tank, should any leakage occur carefully re-tension bolts around area until it stops.

7. Pipework & Connections.

Installers should use standard type hole cutters.
When drilling from outside always ensure that there is adequate support on the inside of the tank.
Extreme care should be taken when working inside the tank not to damage the inner surface, and appropriate footwear should be worn. Any ladders used for access should also be provided with suitable to avoid damage to the tank base/walls.

Where tanks are fitted with internal steel bracing, under no circumstances should the bracing be stood on or walked across, as the could compromise the ‘SEAL’ where the bracing passes through the tank wall. We cannot accept responsibility should any leaks occur and any remedial work will be chargeable.
All pipework, valves etc must be independently supported and must not impose a point load on the tank wall.

8. Maintenance & After Sales.

Reccomendations are set out in BS6700;1997 Section4.
Please review product Operations & Maintenance manuals for further information.
Please contact our After sales service for maintenance Agreements and extended warranty packages.

9. Application.

Decca one-piece/two-piece tanks are suitable for the storage of water at ambient temperatures up to 50C and at atmospheric pressure. If higher heat resistance is required or storage other than water please contact our technical support team. Please confirm in writing details of chemicals make up, temperature or pressure, prior to manufacture.

10. Important.

Where installation of a sectional tanks has been made by untrained or unsupervised labour, no responsilility can be accepted by the company for the installation.
The company reserves the right to amend specifications and dimensions as necessary without prior notice.
Design and installation of all types of tank bases are undertaken by the customer/others.
The company will not hold itself responsible for any consequential cost or workmanship where the installation or design has been undertaken by other.