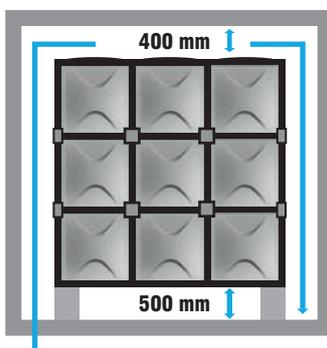


EXTERNALLY FLANGED BASE

EFB Tanks are the most practical answer if a sectional tank is required. They have a large advantage as they can be fully drained quickly and without pumps.



EFB Tanks are designed to be installed where there is adequate access to the base and sides of the tank to allow for the installation from outside the tank.

A clearance space of a minimum of 500mm is required on all sides and there must be sufficient headroom above the tank for opening the man way cover, we recommend a minimum of 750mm. The base support structure must be constructed to allow the installer an access space of 500mm to the flanges from below.

The base fixings are only accessible from the underside of the tank, consequently the tank cannot be sited on a solid slab but instead must be raised on concrete piers (or a combination of piers and RSJs) which directly support the flanges which join the tank panels together. The supports should run in one direction only and must be at least 300mm longer than the overall length of the tank to support the external vertical flanges. The final base support system must be flat and level and strong enough to support the weight of the tank when full without any movement.

The base structure for EFB Tanks must be to the following tolerances:

- **2mm in any metre square of the Tank**
- **Maximum beam deflection 1:500 of entire span**

Pier or RSJ supports need to be spaced at 500mm centres for metric sectionals.

* **Please note:** If the Tank room has space restrictions which may prevent access to the sides of a Tank then a **Total Internally Flanged Tank (TIF)** should be considered.



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