



## Installation of Prefabricated attenuation tank liners

Pre-fabricated liners are supplied as two separate pieces to encapsulate all sides of the tank — a "shoe box" and lid.

The liners are labelled and palletised. The labels detail the installation sequencing of each piece of material supplied.

When the excavation for the tank is completed to site specification, the liner is installed to allow the 'crates' to be stacked inside. The liner can then be pulled up the sides and onto the top edge of the tank. Please see the note below regarding inlet and outlet positioning and fitting which can be done once the first row is in (outlet) and once the final row is in place (inlet).

The crates need placing in a careful and considered manner. We recommend that working from one corner, a single row of crates is installed in a line to the adjacent corner.

- ❖ Next, a further single row of blocks should be installed to the other corner. Having done this, an "L" shape of blocks is created in the base of the tank.
- ❖ Working methodically, further crates should be placed to form a continuous **single** layer over the base of the tank.
- ❖ As project specific, further layers of crates can then be laid in the same controlled fashion until the tank structure is complete.

Once the crates are in place, the position for inlet and outlet pipework for 110mm or 160mm diameter pipes can be ascertained and undersize holes cut in the liner to accommodate.

The top hats supplied will be placed on the inner face and the bituminised tape used to seal the flange to the inner face of the shoe box. This way when the tank fills the flange and tape compress against the tank i.e on-seated.

The top liner can then be installed and secured at the side with double sided bituminised tape to seal it to the previously installed liner module.

The deaeration top hat should be pre fitted to the top lid liner. Backfilling is then to the site specification.