

TANK REFURBISHMENT

We were awarded an extensive refurbishment contract by an international fertilizer manufacturer.

The project involved the complete refurbishment of nine large fertilizer storage tanks. The tanks were in a poor condition, many with numerous holes as displayed in pictures 1 & 2. The internal of the tanks were encrusted with solidified fertilizer which was 25mm thick in places (Picture 3).

Due to manufacturing time constraints the refurbishment project had to be completed in 10 weeks.



Once the scaffolding had been erected internally the solidified fertilizer had to be manually removed from the tanks. The tanks were then grit blasted to remove all remaining residue and rust to leave a surface profile which would ensure optimum adherence of our lining system. This proved to be a lengthy process as over many years the fertilizer had entirely compacted on the walls.

Once complete the tanks were cleaned and vacuumed prior to the application of the lining system.



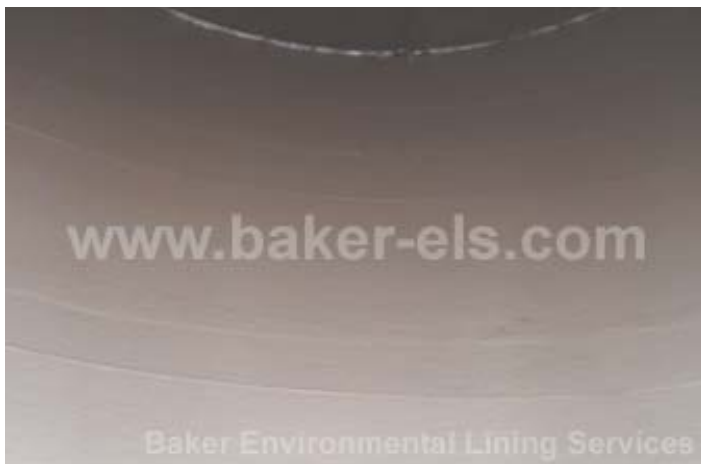
See page 2 for finished project...



The tanks were primed with resin and a layer of fibreglass mat was applied to the prepared and primed surfaces. A chemical resisting tissue veil was also applied to ensure a pinhole free lining system. An extra layer of fibreglass was applied to the heavily pitted and holed areas to give a lining thickness of 6mm.

A resin wash was applied to all lined surfaces and again left to cure. This layer highlighted any surface irregularities which were sanded back to a smooth surface in readiness for the top coat.

The top coat was then applied to leave a smooth, durable and seamless finish.



The project was a complete success.

Not only did we dramatically reduce the timescale from 10 weeks to 8 weeks, the customer was able to put 3 tanks back into production 5 weeks into the project; thus further minimising down time.

References can be supplied on this project.

Please contact us on **08701 650900** for further information on our services.