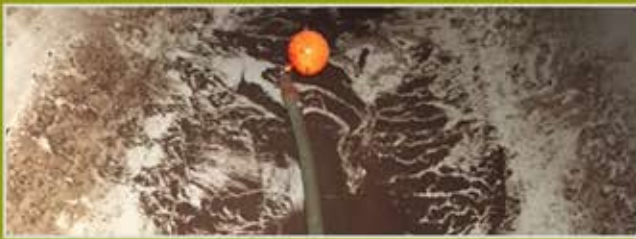


# Case Study #18 Cowley International College

Following on from the service and maintenance contract carried out during April and May of this year, RainCatcher's site team were engaged to carry out the tank repair as identified at the initial tank clean service earlier in 2015.

Before any work could begin, chlorination of the stored water had to be tested. Once it was determined the levels were satisfactory the tank could be emptied. As shown, a considerable amount of dirt and sediment was found in the tank due to backfill ingress; this had to be cleared before the actual tank repair could begin.



*Left: a small section of the sediment found at the bottom of the rainwater tank.*

*Before (below left) and after (right) the tank clean.*



After cleaning and drying the tank was complete, removal of the original failed repair (previously carried out by others) began. This enabled the operatives to seal and fix weakened and compromised sections of the tank, preventing ingress of backfill material and debris.

This was achieved with a resin based bonding paste and slow cure catalyst, applied to all edges, joints and crevices. Matting and tissue were used to ensure a smooth finish before a resin wash was brushed over the entirety of the tank, followed by a gel coat. Finally, an air mover of 110 volts was utilised to force fresh air into the tank for six consecutive hours. This now carries a full RainCatcher guarantee.

The contract was complete in just three days, following high health and safety measures including Confined Spaces Regulations. This resulted in a successfully repaired rainwater harvesting tank and fully functional rainwater harvesting system in accordance with BS 8515.

