



Kimbolton School



Swimming Pool
Refurbishment



April 2024



22 Weeks

Kimbolton School is an HMC co-educational independent day and boarding school based in Cambridgeshire for pupils aged 4–18. First founded in 1600 as a grammar school for Huntingdonshire becoming fully independent in 1977.

In 1949 its name was changed from Kimbolton Grammar School to Kimbolton School, and the following year it bought Kimbolton Castle from the Duke of Manchester.

Universal Civils & Build were approached by Kimbolton School in 2023 to design & install a new swimming pool due to the existing pool coming towards the end of its life & suffering from leaks & corroding steel supports.

Utilising our supply chain with expert Swimming Pool Contractors a proposal was put together to remove the existing pool by creating a new opening in the building to install a new Double-Glazed window with a manifestation of the school crest.

A new reinforced concrete slab was poured with insulation to improve the thermal performance of the existing building fabric. The below ground level walls were then treated with a waterproof slurry to stop any ingress of water to ensure that the undercroft surrounding the pool remains watertight.

New lighting & ventilation was installed in the undercroft to improve the environment for the maintenance of the new pool & to ensure that condensation does not form. New pool supply & return pipework was also installed in the undercroft and connected into the existing Pool Filtration system.

A new stainless steel pool tank was manufactured in Europe & shipped to site to be constructed in the Pool Hall with new steel supports for the tank fixed to the existing concrete ring beam. The new pool structure was then lined with a membrane and sealed to make it watertight. Once the new pool was constructed it was then filled gradually with water with periodic checks to ensure that there were no leaks.



Universal Group

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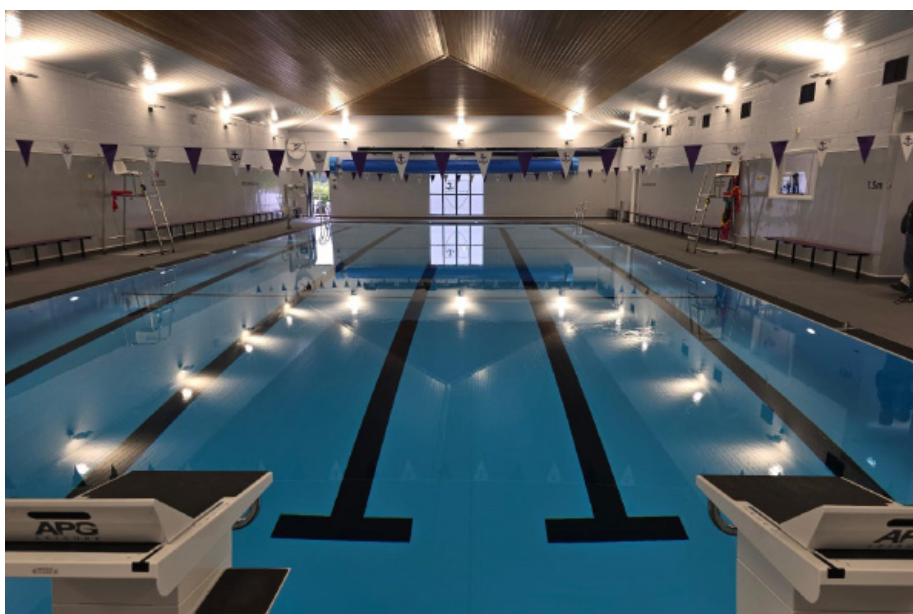
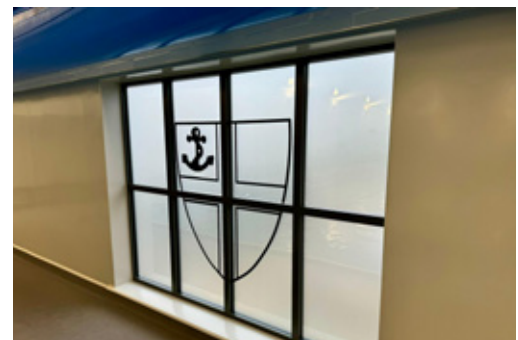
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A new deck level floor was constructed with a Beam & Block floor with a waterproof screed laid to the height of the new pool with a small gradient to ensure that any water was captured in the pool gutter and recirculated through the pool filtration system. A new watertight pool surround deck membrane was laid on top of the screed with a skirting upstand onto the surrounding walls.

The existing tiles were overlaid with a waterproof cladding system in a contemporary finish in line with the pool surround. Above this the existing blockwork walls and timber clad ceiling have been painted in a mould resistant white paint, which has been finished off with new high-level lighting surrounding the pool.

New Fire Exit Doors were installed to complement the new double-glazed window, and new bench seating in the colours of the school was then installed on two sides of the pool. Finally, new Start Blocks were installed at the deep end to allow for competition swimming.

The whole project was completed on time & in budget with a total construction time of 22 weeks from start to finish.



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