



Birmingham City Council

Fire sprinkler systems

purewater storage ltd
Making water storage easy since 2002

Project date: 2019 - 2021

Project overview

Following the Grenfell tragedy, Purewater Storage was approached by Triangle Fire Systems Ltd to help supply and install GRP Sectional wet riser fire tanks located within each building. Where there was no room in the building to house the new GRP Sectional wet riser fire tanks and fire sprinkler pumping equipment, these were then sited adjacent to the building in a secure compound. Purewater also supplied GRP enclosures for the fire sprinkler pumps that needed to be sited outside.



Water storage requirements

Depending on the size of each tower block, Purewater Storage installed varying sizes of GRP Sectional wet riser fire tanks ranging from 6,000 Litres to 15,000 Litres of actual stored water specific to each sites design specification.



Case Study



Products installed

- GRP Sectional wet riser fire tanks
(Internally flanged tanks and totally internally flanged)
- Sectional GRP Combination Units
- One Piece GRP Combination Units
- GRP Enclosures



Project timescale

Purewater supplied various GRP sectional water storage tanks and enclosures totalling 142 units to tower blocks around Birmingham, 98 of these units were installed onsite by our own qualified engineers, with the remaining 44 units being pre-manufactured in our workshop. All of this was completed over an 18 month period.

Key partners

Fire Protection
Triangle Fire Systems Ltd
Birmingham City Council

Challenges and obstacles

Due to the design of each building, the challenge was where to install the GRP Sectional wet riser fire tanks and fire sprinkler pumps. Some were located in the bin stores, others in the basement areas, whilst others were located adjacent to the tower blocks. All new GRP Sectional wet riser fire tanks were either installed by our engineers or pre-fabricated in our state of the art facilities, delivered and positioned via Hiab delivery.

All this work was carried out during the Covid period creating additional Health & Safety concerns, Purewater were able to conform to the ever-changing guidance set out by the government.



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