EMERGI-SAFE

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OUR PRIORITY.
COMPLIANCE
ALWAYS.

CASE STUDY:

Fitzwilliam Hospital

Fire Door Upgrades for a Safer Healthcare Environment



Emergi-Safe Ltd was appointed to deliver a comprehensive fire door supply and installation project at Fitzwilliam Hospital, providing fully compliant doorsets across the entire site, including specialist radiation rated fire doors for the X-ray screening rooms.

As a leading private healthcare facility, Fitzwilliam Hospital places a strong emphasis on patient safety, regulatory compliance, and the continued delivery of high-quality care. Our proactive approach to fire safety and building compliance aligned perfectly with the hospital's own standards, resulting in a successful project delivered with minimal disruption to day-to-day operations.







Fully Compliant Fire Doorsets

Radiation Rated X-Ray Doors

Minimised Disruption

Safer Patients, Staff and Visitors

The Challenge



The project involved the removal and replacement of existing fire doorsets to improve compartmentation, compliance, and overall fire safety performance within a live and fully operational hospital environment.

As with many existing buildings, once the existing doors and frames had been removed, some structural apertures were found to differ from the original measured openings. This was concealed behind existing finishes and could not be identified during the initial survey stage.

In addition to standard fire doorsets, the hospital required specialist radiation rated fire doors for their X-ray rooms. These doorsets needed to maintain the required fire resistance while also incorporating a lead-lined core to prevent the escape of harmful radiation from the screening rooms, in line with healthcare regulations and HTM requirements.

The Solution



Our experienced installation team developed practical on-site solutions to overcome the unforeseen structural issues, including carefully cutting back and reworking brickwork to create the correct aperture sizes for the new doorsets.

We supplied and installed high-quality, fully compliant fire doorsets throughout the hospital, including specialist radiation rated doors for all X-ray screening rooms. These doors were manufactured to the required fire resistance and radiation shielding specifications, ensuring both compartmentation and protection from X-ray radiation, with appropriate lead lining, seals and ironmongery.

All works were carefully planned and phased to minimise disruption to hospital operations, with close liaison with the estates and clinical teams.

Results & Benefits

The completed project delivered fully compliant fire door installations across the entire Fitzwilliam Hospital site, significantly improving passive fire protection measures and supporting the safe delivery of healthcare services.

Key outcomes included:

- Fully compliant fire doorsets installed to current standards
- Radiation rated fire doors supplied and installed for all X-ray rooms
- Improved fire compartmentation and life safety protection
- Enhanced safety for patients, staff, and visitors
- Successful resolution of unforeseen structural challenges
- Minimal disruption to hospital operations
- High-quality workmanship delivered in a live healthcare environment

> *"A professional and proactive approach, with minimal disruption to our hospital operations. The new doorsets have significantly improved our fire safety and compliance."*

Conclusion

The fire door installation project at Fitzwilliam Hospital demonstrates the shared commitment to compliance, safety, and long-term protection.

By working collaboratively and overcoming unforeseen structural challenges, including the installation of specialist radiation rated doors for the X-ray rooms, Emergi-Safe Ltd successfully delivered a high-quality, compliant fire door solution across the entire hospital.