



KD ASBESTOS

CASE STUDY 1

AT A GLANCE

CHALLENGES

- Temporary heating system to be installed prior to works commencing
- Works taken place during school Holidays
- Limited space outside the boiler room for DCU, Airlocks & Baglocks

OBJECTIVES

To remove and dispose of all visible and accessible thermal insulation Residues to walls throughout the boiler room. To also remove and dispose of Asbestos Insulation Board Debris in between cavity walls and Asbestos Insulation Board Debris on top of metal trunking. Remove Cement sleeves to wall. All non-asbestos pipe insulation will be repaired using silver foil tape, protected and remain in situ.

SOLUTIONS

The boiler room was sealed using 1000g polythene to create an airtight enclosure and a Negative Pressure Unit added to Filtrate the air. The Air was change at a minimum rate of 10 times per hour. Walls were scraped and cleaned to remove all visible asbestos residues. All AIB debris was saturated using surfactant and removed using H-Type Vacuums. All walls were encapsulated using White ET150 sealant once checked by an Independent UKAS accredited Analyst. The solid concrete floor was painted using grey suitable floor sealant.

CONCLUSION

4 Stage Airtest was carried out on completion and a reoccupation Certificate was issued by a UKAS accredited Analyst. The Boiler room is now safe to reoccupy and carry out maintenance works to the boilers / heating system.



CCTV

Walls & Floors sealed

Boiler room completed

Cleaning of walls

Air Test complete

Floors sealed

RE-OCCUPATION CERTIFICATE



Control Measures

- Decontamination Unit
- Full Enclosure using 1000g polythene
- Airlocks directly coupled to the DCU
- Baglocks for removal of waste
- Negative Pressure Units
- Full Face RPE (for work inside the enclosure)
- Half Face RPE (for waste transiting outside the enclosure)
- CCTV (full coverage of work inside the enclosure)