

7. Door install, door sets, fire doors with automatic closure and door closer.

Method of works

- WMS operatives to arrive on site and introduce themselves to the client representative/ resident, showing them their allocated WMS ID cards if necessary.
- The pre –works information and if applicable asbestos survey are to be read and understood. Ensure there are no ACM's present within the area. Note – fire rated doors have been known to have had asbestos containing panels fitted.
- If any further suspect ACM's are identified as works progress, works to stop and the contracts manager contacted before works continue.
- WMS will erect warning signage or barriers to segregate the working area from access by other building users. WMS to ensure the welfare is available as described in CPP.
- WMS to ensure there are no trip hazards and that residents are not put at any risk.
- Appropriate dust sheets/ floor protection is to be lay to floor areas and transit route to protect floor surfaces from damage and dirt for the duration of the works.
- WMS operative's/ representatives are to wear PPE and RPE at all times when undertaking these works i.e. safety boots/ steel toe cap boots, gloves and safety glasses are to be worn while undertaking the works. FFP3 filter dust mask is to be worn when drilling/ cutting.
- The works instruction to be reviewed.
- Refer to additional literature such as **BWF – Certifire Fire Doors and Doorset Installation Guide**.
- i/ Check the weight of the door prior to undertaking any works. Some doors may require minimum two man lift or four man lift (such as lead lined x-ray doors). Contact the contracts manager should additional assistance be required.
- ii/ Check if there are any electrical connections or conduits required to the door or frame. If so any works are to be done by a qualified electrician. Contact the contracts manager should additional assistance be required.
- iii/ Check the required fire rating or sound attenuation of the door/doorset.
- iv/ Check the ironmongery requirements for the door/doorset.
- v/ Where possible avoid recessing items of ironmongery including seals when the door is hung in the frame.
- Prior to installation of door frame/door leaf safely carry out all ironmongery recessing including any fire seals/acoustic seals/smoke seals (not pre-recessed during manufacture of frame/door). Ensure doors are safely laid on trestles or secured in a work bench. All ironmongery such as hinges, locks, concealed door closers, flush bolts etc are to be CE or kite marked. All components to be machined and fitted in line with the manufacturer's installation instructions and securely fitted with suitable fixings provided.

- If the doorset is fire rated ensure the correct intumescent pack is utilised with each item of ironmongery. Refer to installation instructions for info. Items such as hinges pads, lock-case lining, concealed door closer intumescent pack/lining, intumescent/acoustic seals to perimeter, acoustic drop seals to bottom edge.
- Install the door frame, keeping square/true and utilising suitable fire rate packing material (insulation) and fixings. If doorset is fire rated ensure correct intumescent sealant is used to seal the gap between the back edge of the frame and the opening. Utilise similar process for sound attenuating doorset's, no air gaps to be left unsealed.
- Once door frame is securely fitted hang door in frame ensuring correct fitting gaps to perimeter. Refer to BWf installation guide for further info. Generally 3mm to both vertical edges and top edge, 8mm gap at bottom edge (3mm if fire/smoke rated door).
- Once door leaf/leaves are hung, fit all items of face fixed ironmongery and remaining recessed items not pre-fitted prior to hanging of door. Fire rated doorsets, as noted previously ensure all correct intumescent linings/packers are fitted in line with manufactures instructions/installation guides. Ensure correct signage is safely attached to door faces where required.
- Install and connect any electrically operated items of ironmongery such as automatic door openers, electronic door closers, electromagnetic door locks etc. All electrical works to be done by a qualified electrician.
- Where possible avoid recessing items of ironmongery including seals when the door is hung in the frame.
- Ensure the door is swinging freely and locks, latches, closers etc are all operable and in good working order.
- All component packaging and other waste is to be bagged up and taken away and disposed of correctly.
- On completion, the areas below the working area and transit route are to be cleaned up using an M-type vacuum cleaner.
- Dust sheets / floor protection tape to be removed and taken away.
- The site is to be cleared of all equipment and left clean and tidy.

See additional docs

PPE
Manual Handling

Risk Assessment

Hazard	Control Measures
Slips Trips and Falls	The site will remain tidy at all practicable times. All designated access/egress routes shall be kept free of slip and trip hazards, and obstructions. All equipment is switched off and/or isolated when unattended. All material that could potentially cause injury is either secured behind barriers or removed from site. The need for good housekeeping is to be explained in the site induction.

Electrical	Only battery operated or 110v tools to be used All electrical equipment is to be PAT tested. The equipment is to be inspected prior to use to check for defaults or any other issues that could cause harm when the item is used. If there are electrical services/ supplies to the doors these are to be dealt with by an electrical contractor.
Manual Handling	Correct lifting techniques are to be used at all times when moving equipment, materials or any heavy loads. Paying particular attention when lifting (stable stance, good grip, keep load close to your waist and do not flex your back). Fire doorsets and some fire doors exceed 25kg weight therefore require two people to lift into position.
Hygiene	Good personal hygiene is a necessity washing of hands prior to any breaks (food – ingestion).
Vibration	If there are any tasks with expected high levels of vibration. WMS shall use vibration calculator to work out if operatives are likely to exceed action levels. WMS have assessed these site and there are no excessive vibrating works that are likely have trigger times that will exceed the HSE 100 points. Subcontractors will also assess in their RAMS. Regular breaks between works involving high levels of vibration shall be taken.
Noise	If high levels of noise are expected, ear defenders and control measures are to be introduced if lower noise action value is expected to be exceeded (80dB weekly average or 135dB peak). If there are concerns that noise levels are above this, further investigation will be carried out.
Respirable Dust	Control measures are to be implemented when any operations are being undertaken that could give rise to respirable dust. Particular attention is to be made to silica dust. When cutting tiles, dust extraction is to be used to ensure operatives are not working above the 8hr control limit (0.1mg/m ³) and FFP3 masks that have been face fitted to the individual are to be worn.
Asbestos	All operatives are to be Asbestos awareness trained. Asbestos surveys are to be sourced and reviewed before any works commence. Tradesmen are to remain vigilant at all times when onsite and if any additional suspect materials are identified, site manager is to be informed immediately.
Vulnerable persons	Appropriate signage must be used. Due to the area of the works, working overhead. WMS shall temporarily cordon off the area of work using cones and barrier tape.

PPE



If there are works being undertaken above you please also wear a Hard hat.