


A Guide to Installing Firedoors

Transcript

1. Check the door opening making sure that the frame being fitted has adequate clearance around the perimeter not exceeding 10mm.
2. Check the finished floor requirements in the event an adjustment is required to the door frame to reduce the clearance at the bottom to meet the fire or smoke requirements.
3. For handling purposes remove the door from the frame and then remove the door stops.
4. Safely handle and store the door in a suitable location.
5. Introduce the frame to the opening.
6. Determine your fixing points behind where the doorstop will be located. Make sure that fixings are no further than 100mm from the top & bottom of the frame with no less than 5 equidistant fixings over the length of the frame.
7. Make sure suitable fixings are used that penetrate no less than 50mm into the structure.
8. Suitable packers must be used when fitting the frame, making sure they penetrate through the packer so there is no danger of the packers falling out. Softwood can be used on 30-minute door sets and can be cut flush with the face of the frame.
9. Apply top and bottom fixings first on the hinge side, ensuring that the frame leg is straight and plumb using a long spirit level or laser.
10. Proceed to fit the remaining fixings on the hinge side only, making sure as before that the frame leg is straight and plumb.
11. Now that the frame is installed, introduce the door to the frame, fit one screw in each hinge, then close the door over and check with the clearance gauge that there are no gaps bigger than 4mm around the perimeter of the door.
12. Fit the remaining fixings on the lock side and check that the frame is straight and plumb and that the correct clearance has been achieved.
13. Fit the remaining screws to the hinges.
14. Fit the door stops making sure there is a 2mm clearance down the hinge side to ensure that the door does not bind against the stop when in operation.

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15. When fitting the lock side door stop, make sure the door is flush with the edge of the frame and the lock fits securely into the keeper position.
 16. If combined intumescent smoke seals are not already fitted within the frame, install these now making sure the brush seal has contact with the door when closed.
 17. Door closers can now be installed, please refer to manufacturers installation instructions depending on the type of closer used and check the suitability of that closer for use within the door set.
 18. Non-combustible fire sealant or mineral wool can now be fitted around the perimeter of the frame ensuring there are no gaps.