

Installation Notes for Acoustic Doorsets

Check the sizes of the doors, the frames and the openings prior to starting installation.

Ensure that all wet trades, plumbing and electrical works have been completed and that the area surrounding where the doorset is to be fitted is dry and suitable for the installation of joinery.

Doorsets, if supplied 'in-the-white', should be sealed/primed with at least the first coat of intended finishing system prior to supply.

It is recommended wherever possible that finishing is undertaken prior to installation and preferably at the factory assembly stage prior to supply.

Should vision panels be specified they will be factory glazed using secretly fixed hardwood glazing beads and clear laminated glass. It is not permitted to substitute alternative glazing details or undertake on-site modifications to vision panels.

Frames should be fitted to the supporting construction using steel fixings at 500mm maximum centers for starting no less than 100mm from base and head. The fixings should be appropriate for the supporting construction and sink into it by a minimum depth of 50mm. It is recommended that fixings should be staggered down each jamb with one fixing behind each hinge and the others behind the stops. It is not essential to fix the frame head.

After installing frames and re-hanging door leaves, stops may be permanently fitted with pins or screws and may also be pelleted to conceal fixings.

Doorsets should have gaps of up to 5mm between the frame and the supporting construction stuffed with mineral wool and filled to a depth of 30mm on both faces with an intumescent mastic which has been tested to 120 minutes integrity as a linear gap seal. For dry lined constructions a full depth of packing of non-combustible board may be used whilst in masonry constructions a full depth fill of fire resisting mortar may be used.

Leaf to frame and leaf to leaf gaps should not exceed 4mm for FD60 and FD90 doorsets and 3mm for FD120/Acoustic Doorsets. Gaps under doors can be up to 5mm to allow for floor coverings. Doors should not be proud of frames by more than 0.5mm

Note that Custom Audio Designs Ltd High Performance Doorsets are made to suit specified opening sizes.

FD60 and FD90 and Acoustic door leaves may not be reduced in size by on-site machining, beyond the removal of up to 3mm from any edge for fitting purposes.

FD120 door leaves may not be reduced in size by on-site machining beyond the removal of up to 3mm from the vertical lippings and may not be reduced in length.

Ensure that any installed intumescent/smoke seals are removed prior to adjustment, safely set aside, suitably protected and effectively glued in place afterwards. Any seals damaged or mislaid must be replaced by seals of the correct specification.

Any intumescent gaskets removed from hinge or other ironmongery preparations must be replaced prior to refitting the hinges or installing other ironmongery elements.

Where drop seals are factory fitted these should be adjusted in accordance with manufacturers instructions.

Remember: If in doubt please ask us!!