

### Installation of PAS 24 doorsets

The structural opening into which the Doorpac PAS 24 doorset is to be fitted must be suitable for the application & robust in its construction in order to achieve a secure installation for the doorset. Doorset fixings must suit the opening structure.

Prior to offering the doorset up to the opening, check the dimensions of opening and compare to the overall frame dimensions for the doorset.

The dimensions of the opening should be at least 10mm greater than the width and height of the doorset. Take several measurements of the width and height to ensure that the dimensions are constant. Do not force the doorset into position as distortion or damage may occur.

The doorset must be installed as a complete unit. Use the door as a template to “square” the door frame position, removing it only to allow for final fixing, decoration or protection. The Quick2Gap guide pads between door and frame should be left in situ while fitting and only removed once the frame has been fitted squarely into the opening. Note; the gaps between the door leaf and frame once installation is complete should be between 3 – 4mm. Gaps greater than 4mm will invalidate fire test certification.

We recommend the use of plastic sheathed fixing bolts (M10 x 140mm min) to enable a minimum fixing of 90mm into the opening structure.

The fixing bolts should be positioned as shown in the diagram overleaf.

Use an ordinary drill to make a clearance hole in the frame and then a suitable bit to drill 110mm into the opening structure.

Insert the fixing into the hole and loosely tighten.

Insert solid packers between the frame and the wall at the fixing points. Note; the packers should be the same width as the frame section. This will avoid the frame distorting.

It is also important to ensure that a full width packing piece is placed immediately behind the three lock striker plates where they are positioned in the frame.

Screw home the fixing taking care not to over tighten the fixing as this may cause damage or distortion to the frame.

After fixing is complete, ensure that the door makes full and uniform contact with the edge seals. Check the diagonals and ensure that no distortion or twisting has occurred during installation. Check also that the door does not “bind” on the frame when it is being opened or closed. Check the locking system operates smoothly, if needed the keeps can be adjusted.

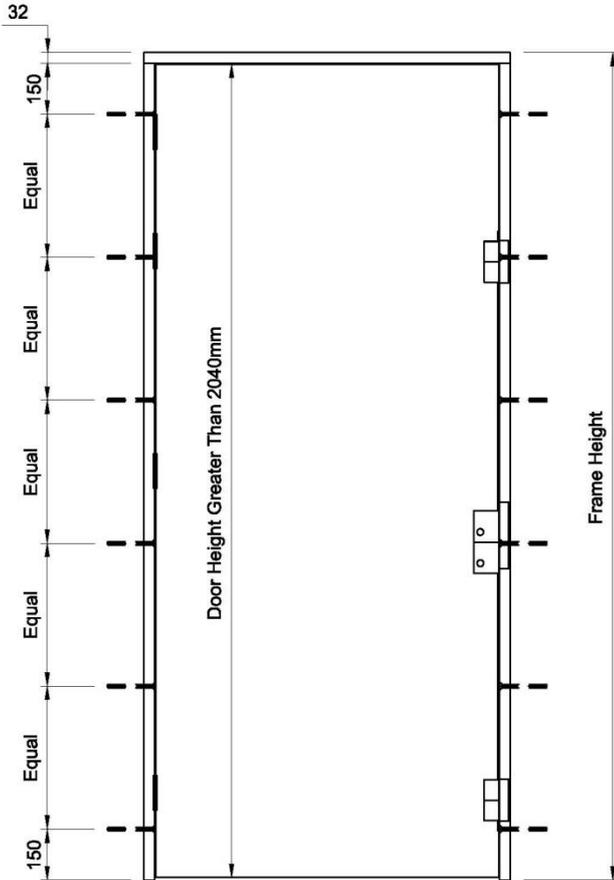
After final fitting, gaps between the door frame and wall must be filled with a suitable fire resistant infill as shown in BS8214:2016.

Please note, some movement within timber door leaves may occur after installation.

Unfinished doorsets should be painted immediately after installation using a good quality paint system in accordance with the paint manufacturer’s instructions. This should be a three coat system - primer, basecoat and topcoat.

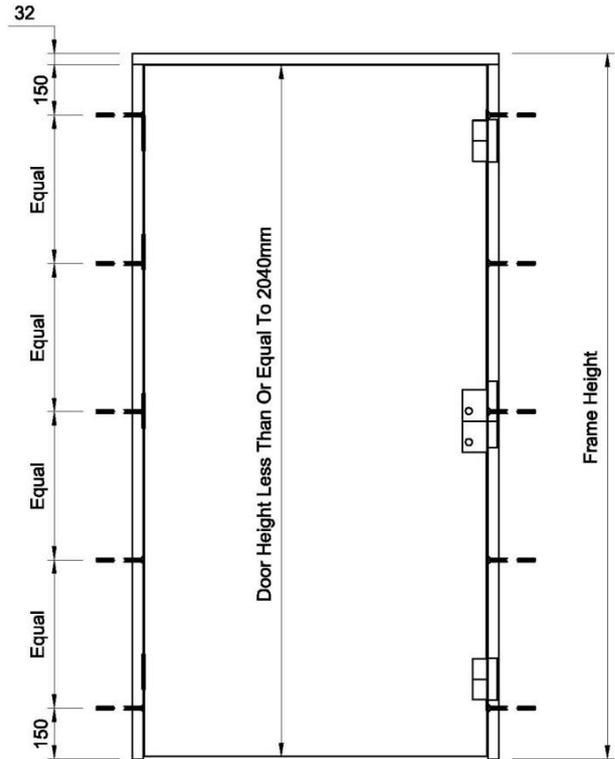
Further information is contained in the Operating and Maintenance Manual

**Frame Fixings Positions**



**Doors Greater Than 2040mm**

150mm From Top & Bottom With 4nr  
Fixings Equally Spaced Between -  
6nr Fixings In Total Per Side



**Doors Less Than Or Equal To 2040mm**

150mm From Top & Bottom With 3nr  
Fixings Equally Spaced Between - 5nr  
Fixings In Total Per Side