

FORZA DOORS

Installation Guidance for FD90 / FD120 Composite Doors & Frames

Preparation

Before hanging the door leaf, ensure that hinge intumescent pads are tightly placed either in the hinge mortise, or adhered to the hinge blade itself. Next, place hinges into their recessed pockets, and drill pilot holes into the leaf using the hinge screw holes as a template.

Please note: All screw heads should be flat and not overtightened.

Installation Process

Position the door leaf at a 90° angle adjacent to the frame, with the hinges placed in the hinge mortise. It may be helpful to allow the door leaf to rest on either a packer or an air wedge tool, thus, allowing accurate alignment of the door leaf hinge mortise with the frame hinge mortise. Remain mindful of avoiding damage to the bottom of the door leaf and any associated ironmongery, such as a drop seal or intumescent protection.

Having checked all hinges have intumescent pads and pilot holes have been prepared, insert 2No. screw fixings staggered to each hinge into the frame. Make sure the door is secured in the frame & only then should you remove the packers and/or wedges from underneath the door leaf. Test the door leaf to see if it swings freely. Afterwards, place the door leaf in its closed position into the frame to check correct fitment and ensure the door to frame gaps fall into the (min) 1.5mm – (max) 4mm tolerance. The threshold gap should be (max) 6mm for Fire or (max) 3mm when smoke control is required if no drop seal is installed. If the Norseal NOR810S drop seal is installed the threshold gap can be (max) 6mm. Proceed to check that the hinge screws are flat and not overtightened.

If a drop seal is fitted, check to confirm correct operation, that it drops far enough to make continuous contact across the width of the leaf, with the threshold/floor. Check that all ambient temperature (cold) smoke seals make continuous contact with the perimeter of the door leaf.