

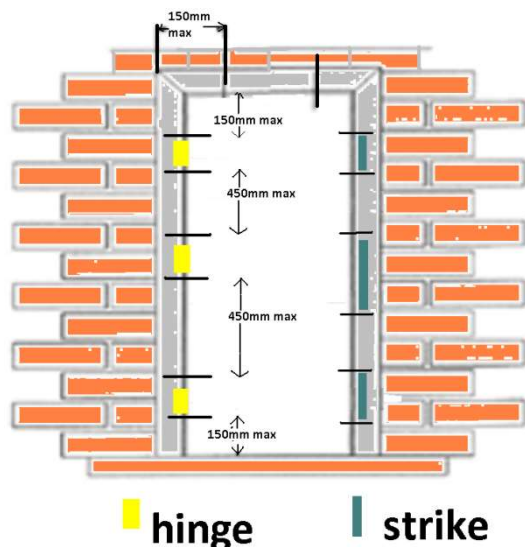
GRP FD30 Fire Doorset – Installation Guidance



Please Note:

Reference should be made to the fire test evidence supporting the doorset.

No exchange of components should take place if not specifically mentioned in the fire test evidence.



Fixing Positions Recommended:-

Generally, all three sides of the frame shall be secured, however it is understood that dependant on the lintel used at the head, fixing at this point is not always possible. There should be minimum of 6no fixing points to each jamb, each fixing point being above or below a hinge or keep position. Corner fixings should be maximum 150mm away from the external corner. Intermediate fixings should be at centres no greater than 450mm

Ensure gaps between door and frame are 3mm max.

Before Any Work Commences:

Ensure doorset is correct in size and specification to your order

Ensure aperture size to doorset is correct. It is recommended 10mm maximum tolerance to enable correct installation. Opening should be square and plumb.

Door and frame should be installed as complete unit. There should be no need to remove doorleaf from hinges

Fixings should be appropriate to the structural opening formed, the density of masonry, or studwork.

Offer doorset to opening ensuring it is level and straight.

Fix hinge leg first, starting at top corner and work down leg, ensuring frame is in line, square and plumb. Use packers above and below each fixing point to ensure frame leg is straight.

Close the door into the frame and square the locking leg into the structural opening, pack leg to ensure it is straight, open doorleaf and fix locking leg as step 3.

Insert packers to head to ensure all is square, close door and operate lock and handle to ensure smooth operation. Adjust keeps and/or hinges if necessary to ensure lock operates smoothly and without bolts catching.

Ensure gaps between doorleaf and frame on inside are consistent at 3 to 4mm at the head and down each jamb. Adjust hinges or frame fixings to correct if necessary.

No gap should be more than 4mm.

Ensure diagonal measurements of fitted frame are equal. Adjust hinges or frame fixings to correct if necessary.

Fill the gaps between the frame and wall structure tightly with fire retardant mineral wool, using an intumescent mastic to fully seal the joint from both sides prior to fitting any architrave or trim.

Fit Aluminium threshold strip in accordance with manufacturer's instructions.

Fit the doorcloser, cylinder, lever handles in accordance with

Doorsets will arrive on site wrapped. Do not open wrapping until ready to install. Keep doorsets flat on pallet for as long as possible, Do not lean doorsets back for extended periods of time. Do not store outside unless adequately protected from weather. Complete fitting of all hardware as soon after installation as possible.

All newly hung doors will settle in position and will probably need adjusting after a few months. The gaps between the door and the frame looking from the inside should be between 2 to 4mm, the door should be pressed tight up to the seals on all four sides so no draughts can be felt, and the lock bolts should throw into the strike plates without resistance.

Manufacturer's instructions and lubricate to ensure smooth operation. **All moving parts, hinges, latch, lock bolts, handle should be lubricated with 'Tri-flo' , DuckOIL' '3inOne Grease' 'WD40' or similar.**

Weatherseal compression can be adjusted by using the adjustment screws on face of the keep plates and/or by adjusting the adjustable hinges. See below.

Adjust the strike plates +/-2mm



The bolts should throw into the strike plates centrally.

To ensure that your new multi-point door lock functions correctly please follow the operating instructions below.

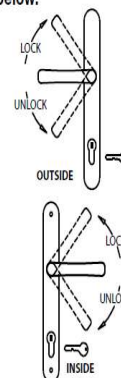
Lever/Lever Operation

To lock (from inside or outside)

1. Close the door firmly to engage the latch (do not depress handle).
2. Lift the lever up to throw the hooks to locked position
3. Turn the key to deadlock

To unlock (from inside or outside)

1. Turn the key to unlock the deadbolt
2. Push lever down to disengage the hooks and latch
3. Open the door



Doorset should now be fully operational.

Post installation

- The doorset is fully finished so should not come in contact with cleaning products, brick acid, etc, and if becomes dirty due to atmospheric conditions or site operations, it should be washed with warm soapy water and a soft cloth. This applies also to the ironmongery.
- If doorset is fitted during the construction phase and is to be held open for long periods, the doorleaf should be wedged when held open.
- Just before handover to householder, especially if the doorset has not been operated for a long period, the fitting should be checked as overleaf, and all moving parts lubricated.

FS30 30 MINUTE FIRE AND SMOKE THRESHOLD FITTING INSTRUCTIONS

1. Ensure the gap between the bottom of the door and the floor is a minimum of 13mm and a maximum of 15mm.
2. Measure width between the door frames and cut the threshold to fit neatly.
3. Push the threshold up to the door stops and use intumescent fire sealant on the underside (where the threshold meets the floor) and at the ends (where the threshold meets the frame).
4. Screw down fully and wipe off excess sealant.
5. Peel backing tape from the fire/smoke seal and stick to the threshold as shown below.



Stormguard Group, Regency Mill, Chester Road, Macclesfield, Cheshire, SK11 6HR
Tel: 01625 613311 Fax: 01625 614434 email: customerservice@stormguard.co.uk



When fitting the cylinder cut pieces of intumescent sheet with knife or scissors 15x80mm and lining the cylinder hole in the door from both sides.

Repeat for the spindle hole.

Cut strips of intumescent sheet 25mm wide to fit behind the backplate of the lever, to sandwich to the face of the door.

None of the intumescent sheet material will be visible after all hardware is fitted.

ONGOING CARE & MAINTENANCE

Ball Bearing Hinges must be regularly lubricated in accordance with manufacturer's instructions.

It is recommended fire doorsets are inspected every 3 months. All hardware and seals are checked as well as checking for any signs of damage to the door and frame. All screws should be fixed securely, none missing or loose. Gaps between doors and frames should be as installed, adjust hinges or keeps accordingly to correct if necessary. Check door closer does close the door fully from various angles, 90deg, 45deg, 20deg for example. Adjust closer if necessary as per manufacturer's instructions. Any damaged or missing hardware or seals should be replaced like for like, no substitutions are allowed. If the door and frame are damaged, or any holes have been cut in them since installation, the entire doorset should be replaced.