

# Portakabin 'SF' Series internal & Link Doorset System

## Fire Doorsets (single) Data Sheet

<b>Fire doorsets (single) (ref. Drawing DC2585 &amp; DC2591)</b>
All details are based on the single doorsets in <u>StandardDoorsets(single)DataSheet</u> with the following differences.
<b>Side hung (opening in one direction only)</b>
<b>Fire doorset FD20</b>
To be as detailed for FD30 fire doorset.
<b>Fire doorset FD30</b>
The fire resistant single internal doorset comprises a fire rated flush door leaf, hung on three stainless steel hinges within a timber door frame. The door frame incorporates an intumescent fire seal/cold smoke seal and acoustic/smoke drop seal. The door leaf can be fitted with either a mortice latch or lock including lever furniture or pull handle and push plate.
<b>Door leaf</b>
44mm thick, flush door leaf with solid core. Door leaf to be rated 30 minutes when performance independently tested or assessed to BS 476 : Part 22. Manufactured by Halspan Limited, Falcon, Vicaima or Morland.
The flush faces can be either melamine faced/laminate faced or veneered and the vertical edges are ABS lipped for Morland doors with the option of either PVC or hardwood lipped for Halspan doors, the other doors have hardwood lipping. Door leaf to be manufactured in accordance with the dimensional requirements of BS 4787 : Part 1.
<b>Note:</b> After door leaf manufacture the maximum reduction in height and width is limited and should be no more than that stipulated in the fire assessment for the SF Series doorsets (30 minute fire resistance). Hardwood lippings can be reduced by a maximum of 1mm only to help with fitting, these must then be re lacquered, see below. The Morland ABS lipped doors may not be reduced in width or height on site BUT can be reduced by 20mm in height if the work is undertaken by the Joinery department at York.
All vertical hardwood edges are to be finish lacquered in house (after all machining and prior to fitting visual contrast strip). Edges to be finished as detailed for the door frame see 'Door frame finish specification data sheet'.
<b>Note:</b> Should it be necessary to adjust the edges of the door leaf during doorset installation then ensure edges of door are smooth and grease free before applying one brush coat of one- pack polyurethane clear satin/eggshell varnish, thinned if required with up to 10% (by volume) of white spirit. Allow the first coat of varnish to dry and then sand smooth using 320 grade (or finer) abrasive paper. Remove sanding dust and apply a final coat of varnish (un-thinned) and allow to dry.

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### Door frame

Minimum door frame section is 70mm wide x 32mm thick after all machining. Minimum door stop lath thickness is 12mm.

Door frame - Jambs and head to have machined rectangular section grooves in door reveal face and back face for intumescent fire seals. Head and jambs to have fixing holes.

Intumescent fire seals (door reveal face) - 15mm wide x 4mm thick PVC covered self-adhesive intumescent seal, type 617, manufactured by Lorient Polyproducts UK, colour black.

Intumescent fire seals (back face) - 20mm x 4mm thick PVC covered self-adhesive intumescent seal, type 617, manufactured by Lorient Polyproducts UK, colour black.

Smoke seals (only for cold smoke seal requirement) - Groove retained twin elastomeric finseal to suit 3 to 4mm gap ref. Firtree seal IS1511 by Lorient Polyproducts UK, colour black.

1mm intumescent gasket to the Lorient drop seals.

1mm hinge intumescent to all FD30 doors.

### Locks/ latches and keep plate/striking plate

A lock/latch jacket of 1mm thick intumescent (Interdens) material by Lorient Polyproducts UK must be fitted to cover the body/case and forend of the lock/latch.

A 1mm thick intumescent (Interdens) gasket material by Lorient Polyproducts UK must be fitted underneath keep plates/striking plates and all hinge flaps.

A 1mm thick intumescent (Interdens) gasket material by Lorient Polyproducts UK must be fitted to cover the body/case of the flush bolts.

A 1mm thick intumescent (Interdens) gasket material by Lorient Polyproducts UK must be fitted underneath the drop seal.