

INSTALLATION GUIDE



1 All internal doorkit products are manufactured to precise tolerances from materials with a moisture content of between 10 and 12 per cent. It is important that this is maintained during storage on site and during the construction process. Deliveries should be co-ordinated, in order that product is not stored on site for longer periods than are necessary.

2 Store linings and doors on a level surface, clear of the floor on either a pallet or 3 even bearers. The bearers should be longer than the width of the product. They should be protected from dirt and damage but without restricting air circulation. Whenever possible store all doorkit products in their protective packaging until ready to use.



3 Never store doorkit products outside, or in un-ventilated containers. They should be stored flat in a dry well ventilated building.



4 Openings should be made 66mm over the width of the doors, and 52mm over the height. (This allows for packing all around the frame). For 'block-work', fit a plywood sub-liner prior to plastering - to give the plasterer something to line to. Further information on opening sizes can be obtained here: www.nationalhickman.co.uk/products/doorkit



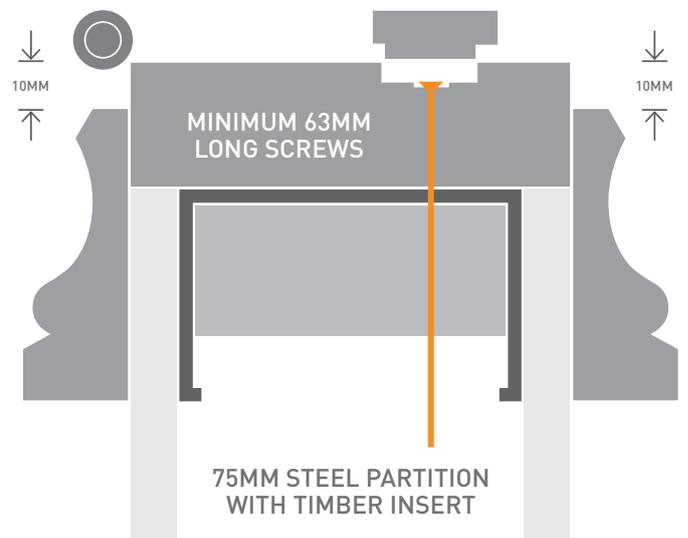
5 Assemble the lining on a level surface - bearing in mind the handing of the door. Pre-drill pilot holes and screw the heads to the jambs with maximum 32mm long screws. Care should be taken to ensure that components are aligned correctly, and that the ironmongery is positioned as required.



6 Position the assembled frame into the opening. Ensure that the hinge jamb is plumb. Temporarily fix with two 63mm long steel screws. (Minimum)



7 Swing the 'Dummy' doors provided by removing the screws and cams from each of the female keeps, and slide it on to the male hinges on the frame. Check the head of the frame is square, and adjust where necessary by 'jacking' the legs. (Note: Doors are susceptible to swelling, and some slight sizing may be necessary initially).



9 Further adjustment can be made using the cranking tool provided. Apply slight pressure to the tops and bottoms of each hinge knuckle, to ease the door leaf towards or away from the latched jamb. A clear and consistent margin should be achieved all around the door.

8 Keep the plasterboards set back off the face of the studs. Leave a 10mm quirk/margin (minimum) around the architrave to enable further adjustment with the cranking tool at final fix if required.

**If there's a problem...
deal with it now,
before it's too late!**



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Any slight gaps around fire door frames should be filled with a mineral wool or intumescent mastic paste. (As per table 2 -BS 8214:1990)



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Stops are reversible, and care should be taken to position these according to the thickness of the door (i.e.35, 40 or 44mm) door stops as architraves should be pinned & glued in position.



12

Doors should be hung at the final fix stage, limiting the opportunity for damage or distortion (swelling) during the building process. Carefully remove packaging .Doors can be hung left or right hand. To reverse the handing, remove the female hinges & latches, and rotate through 180 degrees before re-fitting on the doors. Any slight damage can be repaired using the touch up pens provided. It is recommended that for larger scratches/marks, the doors can be re-painted with "Dulux Satinwood pure brilliant white".

**By following these simple steps you
can be sure that Doorkits are installed
quickly and easily with the minimum
of fuss.**

1. GENERAL

This Doorkit has been fire tested and is certified by CERTIFIRE as being capable of providing fire resistance of 30 minutes integrity and 30 minutes insulation as defined in BS 476: Part 22: 1987, when installed in accordance with the following conditions. Subject to these, the door will meet the relevant requirements of BS 5588 for FD 30 Doorkits when used in accordance with the provisions therein.

In recognition of this, the Doorkits carry a prefixed label on the top of the door. The label is issued under the terms of the British Woodworking Federation - CERTIFIRE scheme. This label uniquely identifies the doorkit the manufacture of which complies with BS: ISO 9000 for quality systems and is subject to on-going surveillance. This label shall not be removed.

It is emphasised that the certification is conditional upon the following instructions being complied with in their entirety. Failure to do so will invalidate this approval and may jeopardise the fire performance of the door. Doorkits supplied pre-fitted with components by Hickman Industries Limited may be considered to meet the requirements in respect of those items.

On no account should the door be installed in any frame other than that supplied by NATIONAL HICKMAN Limited for the purpose.

2. DOOR LEAF DIMENSIONS

The leaf may be used in single-acting, single-leaf, latched and unlatched ITT Doorkits at leaf dimensions up to 926x2040mm.

3. SUPPORTING CONSTRUCTION

The door assemblies are approved to be installed in brick, block, masonry, or timber stud walls of minimum thickness 85 mm (including the plasterboards), providing at least 30 minutes fire resistance.

In addition Single acting, Single leaf Doorkits only, are also approved to be installed in a 'Knauf' steel stud partition (minimum thickness 75mm) or British Gypsum steel stud partition (minimum thickness 75mm) Single acting, Double leaf pairs are only approved to be installed in brick, block, masonry, or timber stud walls as above.

4. INSTALLATION.

The opening may be lined with softwood. Jambs and heads are to be fixed through to the wall at each pre-drilled position with steel screws penetrating the wall at least 50 mm. There are no restrictions on size or dimensions of architraves, or fixings. Doorkits shall be installed as stated in BS 8214: 1990, Table 2. Door to frame gaps shall not exceed 3-4 mm at the head and vertical edges, nor exceed 8-10 mm at the threshold after floor coverings have been fitted.

We strongly recommend that Doorkits are installed by a fully trained and/or F.I.R.A.S accredited installer.

5. GLAZED APERTURES

All apertures are to be factory prepared by the door manufacturer. No site cutting of apertures permitted. (Including cutting for air transfer grilles)

6. INTUMESCENT SEALS

Intumescent seals are supplied pre-fitted to Doorkits. They should not be removed or changed for any other seals. Where smoke seals are specified, then seals will be supplied as CERTIFIRE approved.

7. HINGES

Special two part hinges are supplied as part of the Doorkits and should not be changed for alternative items.

8. LATCHES

Latches are supplied as part of the Doorkits and should not be changed for alternative items.

9. SELF CLOSING DEVICES

All unlatched Doorkits shall be fitted with a face fixed surface mounted or concealed overhead door closer. (Not essential for fire performance if the Doorkit incorporates a latch and the leaf is in the closed and fully latched position). A self-closing device is however required to be fitted to satisfy fire regulations and if fitted shall be a CERTIFIRE approved product. Note: closers with mechanical hold-open mechanisms are not permitted to be used.

10. PROTECTION PLATES

Plates of steel, brass, aluminium, PVC and laminates may be installed on one or both faces of the proposed door leaves using thermo-softening adhesive. Additional screws may be used within 50 mm of each corner and no closer than 250 mm spacing on height and width. They are not to be installed onto the stop side of the door leaf such that they are between the leaf and the stop.

Protection plates may be fitted in line with the following parameters:

- Kick / Trolley plates: up to 1000 mm high
- Push plates: not to exceed door height by 200 mm wide located on the leading edge of the leaf
- Mid plates: may be fitted up to 300 mm high

11. LETTER PLATES

Lorient Polyproducts Ltd's intumescent fire resistance letter plates may be incorporated into the door leaf providing they are installed in accordance with the manufacturers' instructions.

Alternatively Mann McGowan Fabrications Ltd's Pyrostrip letter plate liners may be used in conjunction with appropriate letter plates providing they are installed in accordance with the manufactures instructions.

12. DOOR VIEWERS

Door viewers may be fitted into the leaf providing the viewer comprises a metal sleeve and an optical glass lens and is not positioned higher than 1500 mm from the threshold. The viewer should have an external diameter of not greater than 15 mm be tightly fitted within the leaf. The aperture provided for the installation of the viewer should be lined with intumescent mastic.

13. FURTHER INFORMATION

Further information regarding the details contained in this data sheet may be obtained from National Hickman Limited (Tel: 01902 352535). Or e-mail to iharris@national-hickman.com

Further information regarding the CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).

Further information regarding BWF labelling requirements can be obtained from the British Woodworking Federation (Tel: 0844 209 2610).

Further information regarding the accreditation scheme for installers of fire resisting Doorkits can be obtained from F.I.R.A.S. (Tel: 01925 646666).



SPARE PARTS



**63MM STANDARD LATCH
(BODY ONLY)** (185-RFBODY)



**63MM BATHROOM LOCK
(BODY ONLY)** (242-RFBODY)



**CRANKING
BAR** (1515-56)



**PAINT TOUCH
UP PENS** (RAL9003)



**MALE HINGES
(WHITE)** (1500-01)



**MALE HINGES
(CHROME)** (1506-37)



**35MM FEMALE HINGE KEEP
(WHITE)** (1501-01)



**40MM FEMALE HINGE KEEP
(WHITE)** (1502-01)



**44MM STEEL WHITE
(FIRE DOOR HINGE KEEPS)** (1504-01)



**DUMMY DOORS
(VARIOUS SIZES)**



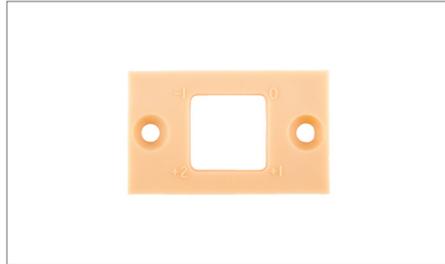
**WHITE ADJUSTERS
(35 OR 40MM DOORS)** (1503-01)



**WHITE FIRE
DOOR ADJUSTERS** (1505-01)



**35MM FEMALE HINGE
KEEPS (ASH)** (1516-78)



**35MM FEMALE HINGE
KEEPS (CAMEL OAK)** (1501-23)



**ASH
ADJUSTERS** (1517-78)



**CAMEL OAK
ADJUSTERS** (1503-23)



**44MM STEEL ASH
(FIRE DOOR KEEPS)** (1512-78)



**44MM STEEL CAMEL OAK
(FIRE DOOR KEEPS)** (1504-23)



**ASH FIRE
DOOR ADJUSTERS** (1513-78)



**CAMEL OAK FIRE
DOOR ADJUSTERS** (1505-23)



**SET OF 14.5X23MM DOOR STOPS
(2@2.1 1@0.9M)**



SET OF 14.5X59MM DOOR STOPS
(2@2.1 1@0.9M)



STANDARD LATCH KEEP SET
(CHROME) (185-55RF)



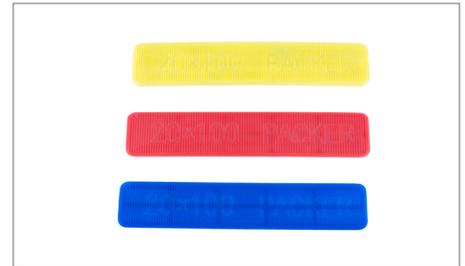
BATHROOM LATCH KEEP SET
(CHROME) (242-65RF)



MORTICE EDGE BOLT
(CHROME) (S/BOLT/CHRO)



10X4MM WHITE INTUMESCENT
LP1004 - 2.1M LENGTH (MDF3170329)



FLAT PACKERS - AVAILABLE IN
2MM,3MM AND 4MM THICKNESSES
(1000 PER BOX) (2MM/3MM PACKER)



PLYWOOD STRIPS (SUB-LINERS)
2440X 148/157 X 18MM (PLYS148/157)



SPRAY CANS
(TOUCH UP) 500ML (43075)



DUST BUCKETS
STANDARD LATCH (185-DUSTCAP)



DUST BUCKETS
BATCH LATCH (242-DUSTCAP)

for more information
please visit our website or
call us on: (01902) 352535