



NORTHERN FIRE SOLUTIONS

# FIRE AND SECURITY DOORSET INFORMATION

NORTHERN FIRE  
SOLUTIONS LTD

2024





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## About Us

Based in Oldham, **Northern Fire Solutions** (NFS) specialise in the manufacture of fire rated and security doorsets and screens. We provide professional services direct to the private and public sectors and through working closely with accredited installation and passive fire protection partners, we supply timber doorsets and screens to local authorities nationally. Our mission is to ensure fire safety comes first.

As members of BM Trada we are third party accredited and certified to the industry leading Q Mark certification schemes for both Fire and Enhanced Security Doorset Manufacture. This ensures all our products are produced in our fully audited and certified factory providing 100% traceability through the full manufacturing process and therefore peace of mind to our clients.

Whether you are a small business, a larger organisation or an individual the products you receive from us, are market leading and will ensure you are legally compliant.



## Our Qualifications



Being accredited to the above reputable schemes and organisations ensures we are consistently keeping pace with the latest certification and performance standards in an ever changing and demanding industry.

As our company is subject to regular UKAS audits to maintain our membership to these organisations, our supply chain can have complete confidence that the NFS craftsmanship, products and customer service remains at the highest level on every project.

NFS have undergone a program of significant investment in additional plant and machinery to ensure we have the capabilities to keep pace with the ever increasing demand for our life preserving products. The latest in cutting edge woodworking machinery coupled with traditional carpentry techniques and a wealth of experience in this sector, ensures the necessary exacting standards are consistently maintained and has been comprehensively proven to be the difference between product performance and failure.

A selection of our equipment capabilities which enable us to undertake both volume or bespoke projects, all in house (see left).

- CNC Workcentre - 2018 Homag Cetateq Venture 5 axis
- Beam Saw
- Edgebander
- Calibration/Finishing Sanding
- Orma Oil Filled Hot Press to apply a range of facings and finishes
- Twin booth filtrated spray room with overhead track and 2no heated drying rooms

# FD30s/FD60s/PAS 24:2016 - FED and COMMUNAL INTERNAL DOORSETS

## Doorset Specification 1

**Door Leaves:** 44/54mm 3 layer particle core, severe duty, lipped 4 edges – Certified to FD30s/FD60s BS476:22, EN1634-1, PAS24:2016, Secured by Design.

**Door Frames:** Engineered Rebated Softwood, 505kg/M3 (FD30)/Sapele Hardwood 640kg/m3 (FD60) – Certified to FD30s BS476:22, EN1634-1, PAS24:2016, Secured by Design.

**Glazing:** Various glazed options permitted as per reports (A97174 – FD30)/(F96103 – FD60) (A15084RevD) - Certified to FD30s/FD60s BS476:22, EN1634-1 PAS24:2016, SBD (restrictions apply).

**Locking System:** Multipoint lock with “Slam Locked” facility and optional upgrades to suit full automation - Certified to FD30s/ BS476:22, EN1634-1, PAS24:2016, Secured by Design.

**Handle & Cylinder:** Selection of lever/lever handle with Anti Drill/Pick/Bump euro profile thumb turn cylinder to meet or exceed TS007 - Certified to FD30s/FD60s BS476:22, EN1634-1, PAS24:2016-TS007, Secured by Design.

**Hinges:** 4no CE Marked Class 13 stainless steel, heavy duty butts with security bolts to top and bottom hinges - Certified to FD30s/ BS476:22, EN1634-1, PAS24:2016, Secured by Design, BS EN 1935:2002.

**Letterplates:** FD30s sleeved fire rated letterplate with internal security cowl fitted. Certified to FD30 BS476:22, EN1634-3, PAS24:2016-TS008, Secured by Design.

**Thresholds:** Low level aluminium threshold with integral seals or a range of drop down seals complete with tested intumescent pack fitted – Certified to FD30s BS476:22, EN1634-3, BS6375 – Complies with Approved Document M.

**Door Viewer:** 180° Wide Angled viewer with intumescent wrap – Certified to FD30s/FD60s BS476:22, EN1634-1, PAS24:2016, Secured by Design.

**Door Security Chain:** Face fixed to inside – Certified to PAS24:2016, Secured by Design, BS EN1935:2002.

**Seals:** Factory Fitted integral to frame, 15x4 Combined fire & smoke seals, complete with additional Q-Lon weather and smoke compression seal – Certified to FD30s/ BS476:22, EN1634-3, BS6375:1

**Finishes:** Fully Factory Finished, spray applied, paints & stains – Available in any RAL/BS code. Laminate and Veneered options also available on request and can be matched to meet client requirements.

**Cills (optional):** 14x92 PSE or 45x140 Profiled Hardwood, factory finished in dark stain – Certified to FD30s/FD60s, BS476:22, EN1634-1

**Door Closers:** A range of overhead surface mounted and concealed door closer options permitted – Certified to FD30s/FD60s, BS476:22, EN1634-1, EN1154

**Configurations:** Single and Double doorsets and screens – Certified to FD30s/FD60s, BS476:22, EN1634-1

## Doorset Specification 2

**Door Leaf:** 44mm Multi-lam hardwood core, Ply or MDF Faced, lipped 4 edges – Certified to FD30s BS476:22, PAS24:2016, Secured by Design.

**Door Frames:** 56x92 Engineered Rebated Softwood, 505kg/M3, with integral fire, smoke and weather seals – Certified to FD30s BS476:22, PAS24:2016, Secured by Design.

**Glazing:** Factory Glazed 24mm DGU fixed with NFS Trisec Enhanced Security Glazing System - Certified to FD30s BS476:22, PAS24:2016, Secured by Design.

**Locking System:** Multipoint lock with “Slam Locked” facility and optional upgrades to suit full automation - Certified to FD30s/BS476:22, PAS24:2016, Secured by Design.

**Handle & Cylinder:** Selection of lever/lever handle with Anti Drill/Pick/Bump euro profile thumb turn cylinder to meet or exceed TS007 - Certified to FD30s/FD60s BS476:22, PAS24:2016-TS007, Secured by Design.

**Hinges:** 4no CE Marked Class 13 stainless steel, heavy duty butts with security bolts to top and bottom hinges - Certified to FD30s /BS476:22, PAS24:2016, Secured by Design, BS EN 1935:2002.

**Letterplates:** FD30s sleeved fire rated letterplate with internal security cowl fitted. Certified to FD30 BS476:22, BS EN1634-3, PAS24:2016-TS008, Secured by Design.

**\*Thermal Values:** Complete doorset values: Unglazed = 1.5W/m2K, Glazed = 1.7W/m2K

**Threshold:** Low level aluminium threshold with integral exterior grade weather seals – Certified to FD30s BS476:22, BS EN1634-3, BS6375:1 – Complies with Approved Document M.

**Door Viewer:** 180° Wide Angled viewer with intumescent wrap – Certified to FD30s BS476:22, PAS24:2016, Secured by Design.

**Door Security Chain:** Face fixed to inside – Certified to PAS24:2016, Secured by Design, BS EN1935:2002.

**Seals:** Factory Fitted integral to frame, 15x4 Combined fire & smoke seals, complete with additional Q-Lon weather and smoke compression seal – Certified to FD30s/BS476:22, BS EN1634-3, BS6375:1

**Finishes:** Fully Factory Finished, spray applied, paints and stains – Available in any RAL/BS code. (Laminate and Veneered options also available on request).

**Cills (optional):** 14x92 PSE or 45x140 Profiled Hardwood, factory finished in dark stain – Certified to FD30s/BS476:22

**Door Closers:** Surface mounted Overhead and Integral Concealed – Certified to FD30s BS476:22, EN1154

**Configurations:** Single and Double doorsets with sidelights and fanlights – Certified to FD30s BS476:22

*\*Thermal values stated are indicative based on similar doorsets tested by others.*

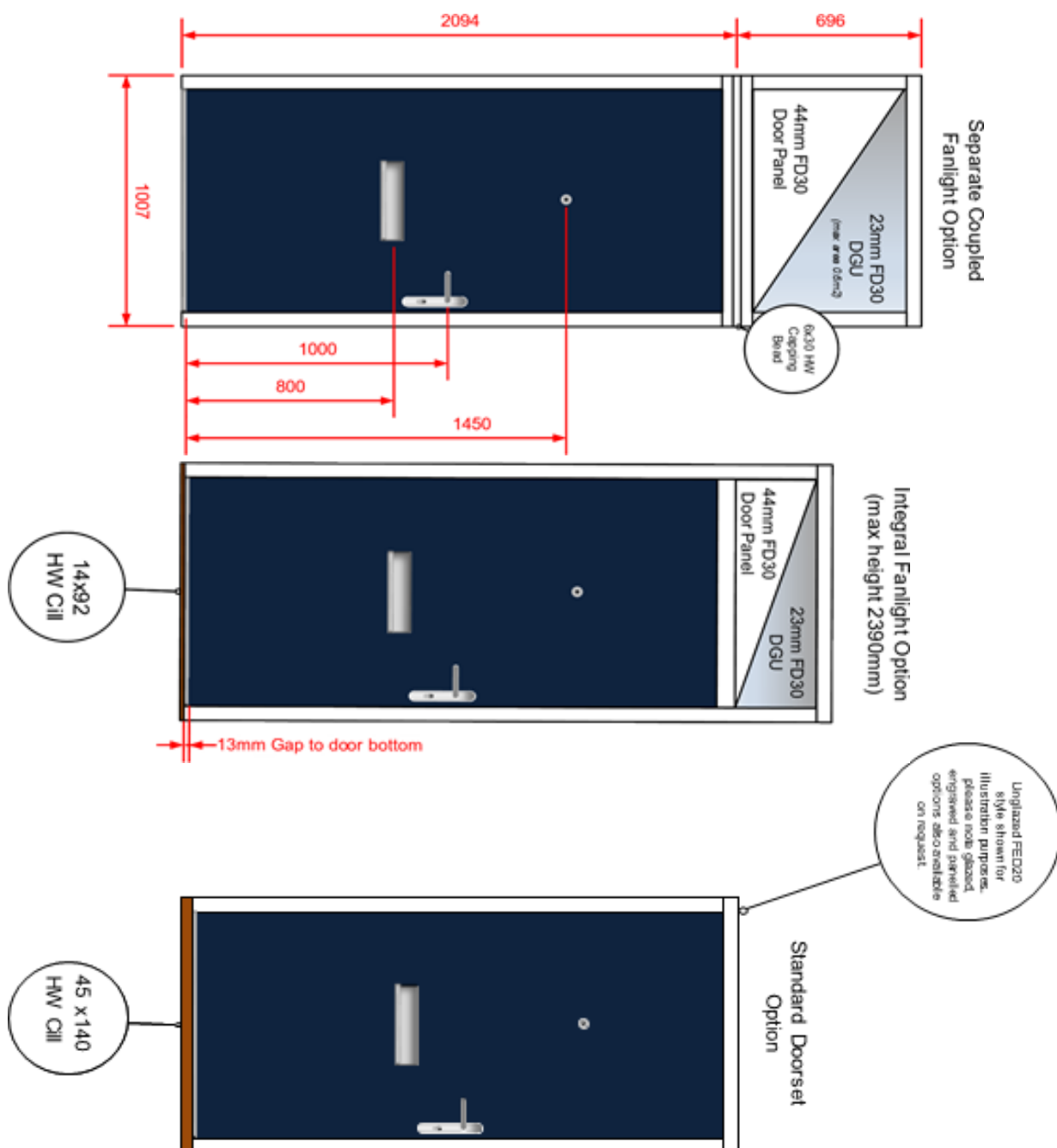


## Typical Doorset Configurations

### – FD30s/PAS24:2016 – FED

# Door and Frame Styles

NFS offer a wide range of door styles and configurations some of which are shown below. Exact styles to match client requirements are available on request, please contact our office for more details. Fire rated glazed and solid sidelight options also available (subject to max glazed area).





## Standard Colour Options - FED

### Door Finishes

NFS offer 5 standard paint colour options shown below, which are factory spray applied.



#### Please Note:

- The above colours are indicative and may vary from the finished product. It is normal to expect some variation on all stained finishes due to substrate variation.
- The majority of paint used by NFS is Water Bourne Micro Porous and is designed to allow the timber products to move and flex as they inevitably will.
- All paints and stains used are suitable for both interior and exterior use – (conditions apply based on finish and application, please contact our office for more details).
- Bespoke paint colours are available on request providing a standard UK RAL or BS code is supplied.
- Colour matching is also available on both paints and stains however this will affect cost and lead time due to the bespoke nature of the process. Please contact our office for more details.
- Doors supplied with Laminate or Veneered facings – options available on request.

# Examples of Work

NFS are active throughout London and surrounding regions, and expanding nationally below are some examples of the type of projects we specialise in.

## **Project: St Helens, London**

Works Description: Working across 3 buildings; supplying over 120 new front entrance door sets and combination screens to covered walkways.



## **Project: Liverpool John Moores University, Liverpool**

Works Description: Manufacturing internal laminate FD30 and FD60 fire rated doorsets.



## Our Clients

Due to our consistent high standards of quality, workmanship and customer service, NFS has a long list of recipients who have undertaken projects where some of our products have been provided. Below are some examples of those organisations where our products have been installed.

Royal Mail  
 Lloyds TSB  
 Halifax  
 Morrisons  
 Makro  
 Mears Group  
 Wates Living Space  
 Fortem  
 Emanuel Whittaker Ltd  
 Styles & Wood  
 BT  
 Parcelforce  
 KFC  
 Subway  
 Frankie & Benny's  
 Domino's  
 Audas  
 Spie  
 Pellikaan



*Note: The above list are examples and may relate to products procured and supplied via a third party. Some products were supplied as our previous trading entity Ontime Interiors & Joinery Ltd, using our current manufacturing facilities, processes and employees. No copyright infringement is implied or intended.*

# Operating Instructions



In preparation to lock the door simply close the door and the centre latch will engage along with the Top and Bottom hook bolts.

*Please note: Lifting the handle is not required to deadlock the Winkhaus AV2 – This aides ease of use for residents with limited dexterity.*



To deadlock the door, turn the thumbturn towards the frame. This throws the centre deadbolt and prevents the hooks being retracted from either side.



To open the door simply turn the thumbturn clockwise back to its original position. Pull the lever down and this will retract the hooks and the spring latch and will open the door.



*Note: All NFS flat entrance doorsets are fitted with a tested and certified Multi-Point Locking System. These locks have each been laboratory tested by NFS and are certified to Secured by Design and PAS24 Enhanced Security Standards.*



## Replacement Keys

Key blanks can be obtained and cut direct from your nearest Timpson store or other reputable locksmiths. (Master Keyed options are subject to relating key management process)



# Certifications

The doorsets manufactured by NFS have been designed and successfully tested to meet the following standards and certifications (where applicable):



**PAS 24 Enhanced Security  
UKAS Test Report – Timber Doorset**



**BM TRADA Q-Mark Enhanced  
Security Door Scheme – Certificate of Registration**



**BM TRADA Q-Mark Enhanced  
Security Door Scheme – Certificate of Registration**



**BS476: Part 22 1987  
30 minutes Fire Resistant Doorsets (FD30)  
Dual Aspect**

# Product Testing



Hard body impact testing as part of PAS24 Enhanced Security conducted at Assa Abloy UKAS laboratory.



Pressure ram testing as part of PAS24 Enhanced Security conducted at Assa Abloy UKAS laboratory.



Soft body impact testing as part of PAS24 Enhanced Security conducted at Assa Abloy UKAS laboratory.



FD30 burn test carried out at Warringtonfire UKAS laboratory. Our tested configuration is far more onerous than tested by our competitors (as shown to the right on the unburned double doors) and pushes the envelope to offer larger glazed and solid options. This sample achieved 43mins 50 secs far exceeding the 30min standard.



FD30 burn test carried out at Cambridge Fire Research UKAS laboratory. Our tested configuration covers our PAS24 Enhanced Security doorsets with fanlights from both sides.



Image shows the same tested PAS24 Enhanced Security doorsets and their proven performance in extreme conditions

# Door Maintenance

Our range of timber doorsets are manufactured to the highest standards and are designed to last, provided some simple maintenance tips are followed as detailed below:



As with all joinery, an inspection should be carried out at least annually and any remedial work carried out as required.



Care should be taken to follow the recommendations for further coatings maintenance and inspections from the paint or stain manufacturers, details of which can be obtained from NFS.



Doors should be cleaned down at least twice per annum using a pH neutral, none abrasive detergent and a soft cloth.



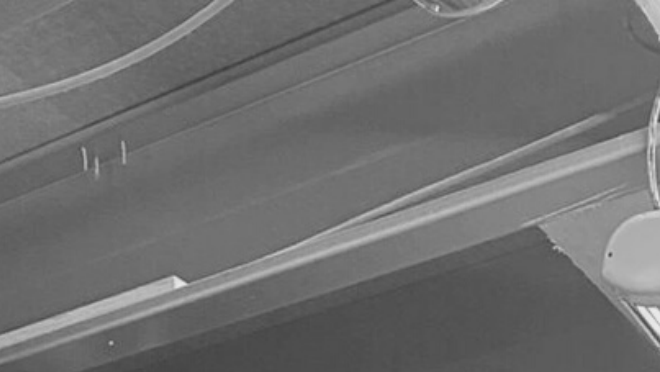
Hinges and locking mechanisms should be lightly lubricated twice per annum with a light penetrating oil.



All glazing, draught and weather seals must be checked regularly and kept free from debris

*NOTE: the additional smoke seals must be inspected at more frequent intervals with any issues addressed immediately.*

*Note: The above points are for guidance only and are subject to NFS project specific warranty agreements*



## Contact Us

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