

# Composite Fire & Security Doorset Solutions

**FireFrame**® with our AV2 autoLocking Systems



## Composite Fire & Security Doorset Solutions

The subject of fire doors presents challenges for both the specifier and the door fabricator.

Winkhaus FireFrame® FD30 fire, smoke and security resistant composite doorsets uses the market leading AV2 automatic locking system in conjunction with the three industry leading composite door slabs.

Winkhaus test evidence and accreditation ensures specifiers and fabricators comply with the latest MHCLG Government guideline document Building a Safer Future – An implementation Plan including Advise Note 16 of Annex B of the building regulations.

These documents clearly state the importance of independent 3rd party certification for doorset manufacturers ensuring independent factory production audits are carried out to inspect that doors are manufactured to the exact same specification as the tested doorset, ensuring consistency of fire, smoke and security performance.

### Winkhaus Fire & Security Doorset Solutions are:

- + Fully compliant with the latest MHCLG Government guidelines
- + Tested and compliant with the BM Trada 170 & 171 Q Mark schemes
- + Fire tested to EN1634-1: 2014 & A1:2018
- + Smoke control resistance tested to EN1634-3:2004
- + Tested to full PAS24 Enhanced Security Standard including durability, weather tightness and cycle testing
- + The system that considers the door manufacturer and specifier in equal measure

### FireFrame® with our AV2 autoLocking System

Winkhaus FireFrame® is a low maintenance frame system manufactured from a specially developed GRP (glass reinforced polymer) with fire resistant additives.

FireFrame® has been tested with the AV2 range of autoLocking systems. During fire door testing the AV2 locking points automatically engage into the frame, when the door is closed, limiting door leaf distortion due to the heat, as opposed to conventional locks where the door is tested with only the central latch engaged.

All FireFrame® composite doorsets are fire tested from both the inside and outside of the door, with an average of 51 minutes fire integrity resistance for the 30 minute performance requirement.

The doorset can be supplied fitted with a low threshold allowing wheelchair access. In addition, the AV2 autoLocking system when fitted with a dedicated motor, integrates with multiple accesscontrol systems.

Although both EN1634 and BS476 can be used for fire testing as part of the current legislation, Winkhaus only use EN1643 for all primary fire and smoke testing as it is the more onerous and modern standard.

## Composite Fire & Security Doorset Solutions

A range of FD30 doors are available, including solid and glazed door styles, with or without top and fanlights and sidelights.

All door styles are available externally in white, blue, red or anthracite grey and internally white as standard.

All door leaves, glazing and intumescent materials are supplied from 3rd party accredited manufacturing facilities.

### Example Configurations



**Winkhaus UK Ltd**

2950 Kettering Parkway, Kettering,  
Northants NN15 6XZ  
Tel: +44 (0)1536 316000

[www.winkhaus.com/en-gb](http://www.winkhaus.com/en-gb)  
email: [enquiries@winkhaus.co.uk](mailto:enquiries@winkhaus.co.uk)

**Composite Fire & Security Doorset Solutions 2021-B**

All rights and modifications are reserved