



CERTIFICATE OF APPROVAL
No CF 5241

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

NEWMOR GROUP LTD T/A MORLAND

**UNIT 10 BUTTINGTON CROSS ENT PARK, WELSHPOOL
SY21 8SL**

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Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT

**Morland QuickFix FD30
Glazing Bead System**

TECHNICAL SCHEDULE

**TS25 Fire Resistant Glass,
Glazing Systems and Materials**

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager

Issued: 16th September 2014
Revised: 25th March 2021
Valid to: 25th February 2024





CERTIFICATE OF APPROVAL No CF 5241

MORLAND QUICKFIX FD30 GLAZING BEAD SYSTEM

This Certificate of Approval relates to the fire resistance of the Morland QuickFix FD30 glazing system when used in timber door leaves, for a period of 30 minutes fire resistance, as defined in BS 476: Part 22: 1987 subject to the under mentioned conditions.

This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.

This product is approved on the basis of:

- i) Initial type testing.
- ii) A design appraisal against TS25.
- iii) Certification of quality management system to ISO 9001: 2015.
- iv) Inspection and surveillance of factory production control.
- v) Audit testing.

This Certificate of Approval must be read in conjunction with CERTIFIRE Technical Schedule TS25, Fire Resistant Glass, Glazing Systems and Materials.

Glazing System Specification	Glass Specification	Application	Fire Resistance Performance (mins)	
			Integrity	Insulation
Morland QuickFix FD30 Glazing Bead System	7 mm Pyrobelite	Any CERTIFIRE Approved Door*	30	0
Morland QuickFix FD30 Glazing Bead System	7 mm Pyrosec 7/30	Any CERTIFIRE Approved Door*	30	0
Morland QuickFix FD30 Glazing Bead System	7 mm Pyrodur Plus 30-104	Any CERTIFIRE Approved Door*	30	0
Morland QuickFix FD30 Glazing Bead System	7 mm Pyroguard EW30 IMPACT	Any CERTIFIRE Approved Door*	30	0
Morland QuickFix FD30 Glazing Bead System	7 mm Pyrostem	Any CERTIFIRE Approved Door*	30	0
Morland QuickFix FD30 Glazing Bead System	7 mm Pyroshield 2 Safety	Any CERTIFIRE Approved Door*	30	0
Morland QuickFix FD30 Glazing Bead System	7 mm Firesafe 30-7	Any CERTIFIRE Approved Door*	30	0

Table 1.

***Only solid timber based, or cellulosic cored doors are suitable. Cores incorporating voids or hollow tubes should not be glazed using this system unless a 6 mm hardwood aperture liner is fitted within the perimeter of the aperture.**

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The glass shall be glazed within a previously fire tested or CERTIFIRE approved timber based doorset utilising the following basic specification (please refer to Table 2 for glass specific requirements):

1	Glass (see Table 2 for type and allowable dimensions)	
2	Morland QuickFix FD30 Glazing Bead system, comprising MDF beads and Closed Cell Foam Tape	
	<u>QuickFix Bead</u>	
	MDF bead with a minimum density of 700kg/m ³ with overall dimensions 25 mm high by 21 mm wide, incorporating a 10 mm high by 6 mm wide bolection and a 15° chamfer.	
3	<u>QuickFix System</u>	
	Sealmaster Intumescent Closed Cell Foam Tape – 10 mm by 3 mm)	
4	Ø1.6 x 40mm long steel gun fired pins or No. 8 x 40 mm long screws at 150 mm maximum centres and 50mm from corners (fixed at 45° to glass).	
5	Nominally 44 mm thick FD30 door leaf*	
	Optional non-combustible setting blocks.	
Notes	<p>* The doorset shall be CERTIFIRE approved or have test evidence for the inclusion of apertures of the proposed dimensions. Only solid cored timber based or cellulosic (i.e. flaxboard/chipboard) cores are suitable for being glazed with this system and if desirable may include a timber/MDF liner. Note: Firesafe glass requires the use of a 6 mm thick hardwood aperture liner. <u>Cores incorporating voids or hollow tubes should not be glazed using this system unless a 6 mm hardwood aperture liner is fitted within the perimeter of the aperture.</u></p> <p>Care must be taken to ensure edge cover and expansion allowances for each specific glass are complied with. For Pyroclear modified toughened glass a minimum expansion gap of 5 mm should be provided. For Firesafe modified toughened glass an expansion allowance of 3 mm at the side edges and 4 mm at the top edge should be allowed.</p>	

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The glass shall be glazed within a previously fire tested or CERTIFIRE approved timber based doorset utilising the following basic specification (please refer to Table 3 for glass specific requirements):

1	Glass (see Table 3 for type and allowable dimensions)	
2	Morland QuickFix FD30 Glazing Bead system, comprising MDF beads and Closed Cell Foam Tape	
	<u>QuickFix Bead</u>	
	MDF bead with a minimum density of 700kg/m ³ with overall dimensions 25 mm high by 21 mm wide, incorporating a 10 mm high by 6 mm wide bolection and a 15° chamfer.	
3	<u>QuickFix System</u>	
	Sealmaster Intumescent Closed Cell Foam Tape – 15 mm by 3 mm)	
4	Ø1.6 x 50mm long steel gun fired pins or No. 8 x 50 mm long screws at 150 mm maximum centres and 50mm from corners (fixed at 45° to glass).	
5	Nominally 44 mm thick FD30 door leaf*	
	Optional non-combustible setting blocks.	
Notes	<p>* The doorset shall be CERTIFIRE approved or have test evidence for the inclusion of apertures of the proposed dimensions. Only solid cored timber based or cellulosic (i.e. flaxboard/chipboard) cores are suitable for being glazed with this system and if desirable may include a timber/MDF liner. Note: Firesafe glass requires the use of a 6 mm thick hardwood aperture liner. <u>Cores incorporating voids or hollow tubes should not be glazed using this system unless a 6 mm hardwood aperture liner is fitted within the perimeter of the aperture.</u></p> <p>Care must be taken to ensure edge cover and expansion allowances for each specific glass are complied with. For Pyroclear modified toughened glass a minimum expansion gap of 5 mm should be provided. For Firesafe modified toughened glass an expansion allowance of 3 mm at the side edges and 4 mm at the top edge should be allowed.</p>	



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General Requirements

There is no restriction to the direction of exposure for the glazing methods i.e. the systems are symmetrical.

Any number of panes may be included in the door leaves covered below providing the door leaf is capable of supporting this principle.

The Morland QuickFix FD30 glazing bead system may be fitted in the manner described in this Certificate of Approval, to previously tested door leaves provided that the particular aspects of the door assembly are maintained. These are described below but are not exhaustive:

1. The doorset, including door frame and associated building hardware, should have achieved at least 30 minutes integrity when tested or subsequently assessed by one of the laboratories or approved by CERTIFIRE as acceptable for this purpose to BS 476: Part 22: 1987 or BS EN 1634-1.
2. If the proposed doorset is to be used in double-leaf configuration, the test or assessment evidence should be applicable to double-leaf configurations.
3. Likewise, if the proposed doorset is to be used in the unlatched configuration the available evidence should be applicable to unlatched doorsets.
4. The proposed doorset should also have included a glazed aperture or apertures of the intended size, shape, area, and number.
5. When used to glaze CERTIFIRE approved doorsets, which have smaller apertures than allowed in this certificate, the aperture sizes specified in the doorset certificate shall take precedence.
6. For installation within solid core doors (comprising chipboard, flaxboard or timber cores), no aperture liner is required. **Cores incorporating voids or hollow tubes should not be glazed using this system unless a 6 mm hardwood aperture liner is fitted within the perimeter of the aperture.**

In this way the proposed installation of the Morland QuickFix FD30 glazing bead system is not expected to affect the performance of the leaf.

Production

This approval relates to ongoing production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application when appropriate.

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MORLAND QUICKFIX FD30 GLAZING BEAD SYSTEM

This Certificate of Approval relates to the sizes of various glass types as shown in Table 2 below, when used in conjunction with the above system. Maximum pane dimensions are also subject to the limitations given.

Glass	Bead Height (mm) Excluding bolection	Maximum Glass Height (mm)	Maximum Glass Width (mm)	Maximum Glass Area (m ²)
Pyroguard UK Ltd Pyrostem (7 mm)	15	2288 (at 712 wide)	889 (at 1833 high)	1.63
Pilkington UK Ltd Pyroshield 2 Safety (7 mm)	15	2288 (at 712 wide)	889 (at 1833 high)	1.63
Pyroguard UK Ltd Pyroguard EW30 IMPACT (7 mm)	15	1680 (at 505 wide)	610 (at 1393 high)	0.85
Pilkington UK Ltd Pyrodur Plus 30-104 (7 mm)	15	2288 (at 712 wide)	889 (at 1833 high)	1.63
AGC UK Ltd Pyrobelite (7 mm)	15	1400 (at 1028 wide)	1032 (at 1395 high)	1.44
Fire Glass UK Ltd Firesafe 30-7 (7 mm)	15	2288 (at 712 wide)	889 (at 1833 high)	1.63
Promat UK Ltd Pyrosec 7/30 (7 mm)	15	1400 (at 1028 wide)	1032 (at 1395 high)	1.44

The aspect ratio of the glass may be unlimited within these aperture dimensions.

Table 2. Maximum Permitted Glass Dimensions

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This Certificate of Approval relates to the sizes of various glass types as shown in Table 3 below, when used in conjunction with the above system. Maximum pane dimensions are also subject to the limitations given.

Glass	Bead Height (mm) Excluding bolection	Maximum Glass Height (mm)	Maximum Glass Width (mm)	Maximum Glass Area (m ²)
Pyroguard UK Ltd Pyrostem (7 mm)	15	1829 (at 709 wide)	709 (at 1829 high)	1.30
Pilkington UK Ltd Pyroshield 2 Safety (7 mm)	15	1829 (at 709 wide)	709 (at 1829 high)	1.30
Pyroguard UK Ltd Pyroguard EW30 IMPACT (7 mm)	15	1829 (at 709 wide)	709 (at 1829 high)	1.30
Pilkington UK Ltd Pyrodur Plus 30-104 (7 mm)	15	1829 (at 709 wide)	709 (at 1829 high)	1.30
AGC UK Ltd Pyrobelite (7 mm)	15	1829 (at 709 wide)	709 (at 1829 high)	1.30
Fire Glass UK Ltd Firesafe 30-7 (7 mm)	15	1829 (at 709 wide)	709 (at 1829 high)	1.30
Promat UK Ltd Pyrosec 7/30 (7 mm)	15	1829 (at 709 wide)	709 (at 1829 high)	1.30

The aspect ratio of the glass may be unlimited within these aperture dimensions.

Table 3. Maximum Permitted Glass Dimensions

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