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**CERTIFICATE OF APPROVAL**  
**No CF 5241**

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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**  
**Tel: 01938 554020 Fax: 01938 556339**

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

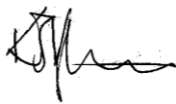
**CERTIFIED PRODUCT**

**Morland QuickFix FD30  
Glazing Bead System**

**TECHNICAL SCHEDULE**

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

**Signed and sealed for and on behalf of CERTIFIRE**



Sir Ken Knight  
Chairman - Management Council  
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Issued: 16<sup>th</sup> September 2014  
Valid to: 15<sup>th</sup> September 2019



## CERTIFICATE No CF 5241 NEWMOR GROUP LTD T/A MORLAND

### 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.

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	Any CERTIFIRE Approved Door*	30	0
Morland QuickFix FD30 Glazing Bead System	7 mm Pyroguard	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™ Safety	Any CERTIFIRE Approved Door*	30	0

**\*Only solid timber based or cellulosic cored doors are suitable. Core 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.**

**Table 2.**

This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section D of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.

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: 2008.
- 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.

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## CERTIFICATE No CF 5241

### NEWMOR GROUP LTD T/A MORLAND

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#### MORLAND QUICKFIX FD30 GLAZING BEADSYSTEM

##### 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: 2000.
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. **Core 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

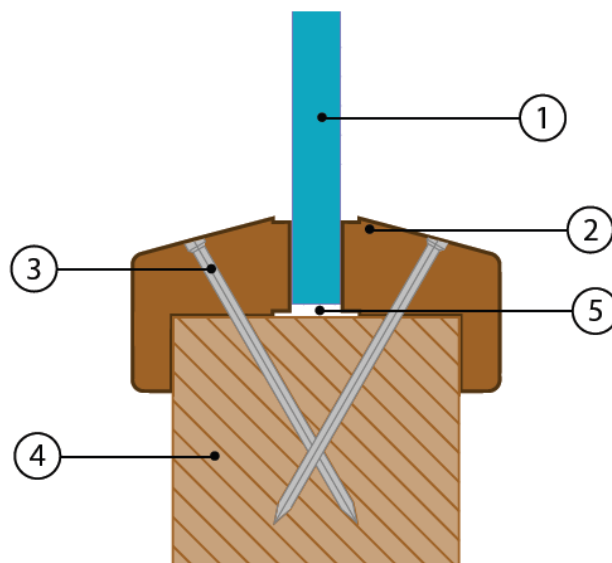
This approval relates to on going production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application when appropriate.

## CERTIFICATE No CF 5241 NEWMOR GROUP LTD T/A MORLAND

### MORLAND QUICKFIX FD30 GLAZING BEADSYSTEM in timber based doorsets for periods of 30 minutes integrity

The glass shall be glazed within a previously fire tested or CERTIFIRE approved timber based doorset utilising the following basic specification:

- 1 Glass (see Table 2 for type and allowable dimensions)
- 2 Morland QuickFix FD30 Glazing Bead system (comprising bead and glazing gasket)
- 3 50 mm long steel pins at 150 mm max. centres (30° to vertical bead edge)
- 4 Nominally 44 mm thick FD30 door leaf\*
- 5 Intumescent Acrylic Sealant (required for Pyrostem, Pyroshield™ Safety and Pyroguard glass types only)



\* 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 cores are suitable for being glazed with this system. **Core 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.**

This Certificate of Approval relates to the sizes of 7 mm Pyrosec 7/30 or 7 mm Pyrobelite glass shown in Table 2, when used in conjunction with the above system. The aspect ratio of the glass may be unlimited within these aperture dimensions.

**CERTIFICATE No CF 5241**  
**NEWMOR GROUP LTD T/A MORLAND**

**MORLAND QUICKFIX FD30 GLAZING BEAD SYSTEM in timber based doorsets for periods of 30 minutes integrity**

This Certificate of Approval relates to the sizes of 7 mm Pyrobelite, 7 mm Pyrosec 7/30 and 7 mm Pyrodur™ Plus, 7 mm Pyroguard, 7 mm Pyrostem and 7 mm Pyroshield™ Safety glass shown in Table 2 below, when used in conjunction with the above system. Maximum pane dimensions are also subject to the limitations given.

Glass	Maximum Glass Height (mm)	Maximum Glass Width (mm)	Maximum Glass Area (m <sup>2</sup> )
7 mm Pyrobelite	1346	476	0.55
	1500	200	0.3
7 mm Pyrosec 7/30	1346	476	0.55
	1500	200	0.3
7 mm Pyrodur™ Plus	1346	476	0.55
	1500	200	0.3
7 mm Pyroguard	1392	492	0.57
	1500	200	0.3
7 mm Pyrostem	1346	476	0.55
	1500	200	0.3
7 mm Pyroshield™ Safety	1346	476	0.55
	1500	200	0.3

**Table 2. Maximum Permitted Glass Dimensions**