CERTIFICATE OF APPROVAL
No CF 623

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

ALLGOOD PLC

63-83 Brearley Street, Birmingham, B19 3NT
Tel: 0121 359 4415 Fax: 0121 359 5440

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 PRODUCTS

Allgood 99 Series Redlocks

TECHNICAL SCHEDULES

TS23 The Contribution of Locks and Latches to The Performance of Fire Resisting Doorsets

TS31 The Contribution Of Emergency Exit Devices, Operated By A Lever Handle Or Push Pad, To The Performance Of Fire Resisting Door

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

Paul Duggan
Certification Manager

Issued: 11th December 2008
Reissued: 24th August 2020
Valid to: 2nd April 2024

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ALLGOOD 99 SERIES REDLOCKS

1. The Allgood 99 Series Redlocks covered by this certificate are all steel cased. This approval relates to the specific locks as identified in the Annex.

2. 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.

3. This approval relates to their use with the following door assemblies: -

   Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance of 30, 60 or 90 minutes (Code ITT).

   Latched and unlatched, door assemblies consisting of uninsulated or insulated metal door assemblies in metal frames with or without intumescent seals having a fire resistance up to 240 minutes (Code IMM/MM).

4. The locks/latches are approved on the basis of:

   i) Initial type testing to EN 1634-1 and EN 12209: 2003/EN 179: 2002 (where relevant)
   ii) An appraisal against TS23 or TS31 (where relevant)
   iii) Certification of quality management system.
   iv) Inspection and surveillance of factory production control
   v) On-going audit testing in accordance with EN 12209: 2003 or EN 179 requirements

5. The mortice locks and/or latches should only be used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987) with similar size locks and strikeplates. The critical aspects of the doorset construction are considered to be the material of the door frame, the leaf to frame clearance gaps and the lipping material. Attention should be paid to these details and these should not be amended from that previously fire tested. The following minimum specification will be followed:

   <u>Timber/mineral-based assemblies – 30 & 60 minutes:</u>

   i) Door frame density - 450 kg/m³ (30 minutes), 640 kg/m^3 (60 minutes)
   ii) Door leaves shall have a minimum thickness of 44 mm for 30 minute applications.
   iii) The door leaves of ITT doorsets require to provide 60 minute performances shall have a minimum thickness of 54 mm.
   iv) Lipping density - 640 kg/m^3.

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Timber/mineral-based assemblies – 90 minutes:

i) Door frame density - 640 kg/m^3
ii) The door leaves of ITT doorsets require to provide 90 minute performances shall have a minimum thickness of 64 mm and shall include sub-facings comprising a minimum of 6 mm thick non-combustible board.
iii) Lipping density - 640 kg/m^3.

Steel-based assemblies (Code MM/IMM)

i) Door leaves shall have a minimum thickness of 44 mm for up to 240 minute applications.
ii) No additional intumescent protection is required.

6. When fitted to insulated timber or mineral composite door assemblies, The required protection will be as follows:

i) The required protection for 30 minute ITT applications will be Interdens mono ammonium phosphate sheet material of 1 mm thickness wrapped around the entire locks case, behind the forend and strikeplate and to all sides and base of the backbox. The forend and strikeplate may fully interrupted the perimeter intumescent.

ii) The required protection for 60 minute ITT applications will be Interdens mono ammonium phosphate sheet material of 2 mm thickness wrapped around the entire locks case, behind the forend and strikeplate and to all sides and base of the backbox. Additionally the perimeter intumescent within the frame/door edge shall by-pass the strike plate or forend by a minimum of 3 mm wide on each side (with the exception of the latchbolt lead where present).

iii) The required protection for 90 minute ITT applications will be Sealmaster Therm-A-Strip sheet material of 2 mm thickness wrapped around the entire locks case, with 2 mm of the same material included behind the forend and strikeplate/backbox. Additionally the perimeter intumescent within the frame/door edge shall by-pass the strike plate or forend leaving 8 mm of seal by-passing the forend on the opening face, and 7 mm by-passing the strikeplate on the closing face of pairs or stop side within the frame (with the exception of the latchbolt lead where present).

Note: Failure to install the protection will invalidate this certificate

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7. The mortice locks to ITT 30 and 60 may incorporate Euro profile cylinders manufactured of brass or steel, and IMM 120 doorsets may incorporate Euro profile cylinders manufactured of steel only as follows:
   - iv) Single cylinder
   - v) Double cylinder
   - vi) Cylinder and thumbturn

   Note: The hole in the door face shall follow the shape of the cylinders and be as tight as possible; furthermore the single cylinders door preparation will penetrate through only half the thickness of the door leaf)

8. Lock assemblies not incorporating a latching mechanism and those fitted with a roller latch shall only be fitted to proven unlatched doorset assemblies.

9. The locks/latches should not be fitted higher than 1100 mm from the finished floor level of the surrounding floors.

10. Recessing for locks and strikeplates shall result in a tight fit, allowing for any intumescent protection where required. Mortices for the latchbolt and deadbolt behind the strikeplate shall be as small as possible.

11. The doorset shall be installed in accordance with BS 8214.

12. The approval relates to on-going production. Product and/or its immediate packaging are 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 where appropriate.

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13. The following table shows acceptable doorset types and fire resistance periods:

	Approved Door Type				
Class	**IMM**	**MM**	**ITT**	**ITM**	**ITC**
FD20	✓	✓	✓	×	×
FD30	✓	✓	✓	×	×
FD60	✓	✓	✓	×	×
FD90	✓	✓	✓	×	×
FD120	✓	✓	×	×	×
FD240	✓	✓	×	×	×
E 20	✓	✓	✓	×	×
EI 20	✓	✓	✓	×	×
E 30	✓	✓	✓	×	×
EI 30	✓	✓	✓	×	×
E 60	✓	✓	✓	×	×
EI 60	✓	✓	✓	×	×
E 90	✓	✓	✓	×	×
EI 90	✓	✓	✓	×	×
E 120	✓	✓	×	×	×
EI 120	✓	✓	×	×	×
E 240	✓	✓	×	×	×
EI 240	✓	✓	×	×	×

Key:

✓ - approved

× - Not approved

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14. Doors are classified as the following types:

Type MM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

Type IMM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

Type ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

Type ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in metal frames.

Type ITC - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

Classification codes:

See Annex.

Scope of approval

- The locks may not be fitted to timber/mineral-based doorsets without perimeter intumescent fire seals fitted with the frame rebate or door edge.

- Strikeplates/keeps
  - The DIN Standard range of locks/latches are approved with a range of strikeplates/keeps. All of which are steel and the maximum size permitted for use on all doorsets is as follows:

width	32 mm (exc. Lip)
height	124 mm
Thickness	3.5 mm
Latchbolt- lip height	86 mm
Backbox (steel)	50 mm high x 32 mm wide x 27.5 mm deep

  - The lock keeps/strikeplates shall not incorporate plastic back-boxes

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Scope of approval – Cont'd

- Escape function locks
  - Escape locks when fitted to comply with the requirements for their escape function in accordance with EN 179: 2008, are only approved when fitted in conjunction with the following approved lever handle set:

• *MA3502D*
• *SS3502D*
• *PS3502D*
• *PB3502D*
• *MA3506D*
• *SS3506D*
• *PS3506D*
• *PB3506D*
• *3510*
• *97442*

- The lock forends are approved with the following standard powder coated or applied finishes (other applied finishes are available):

Ref.	Material
BF	Simulated Bronze
BG	PVD Black
BM	PVD Black
PS	Polished Stainless Steel
RG	PVD Satin Brass
RM	PVD Brass
SS	Satin Stainless Steel
ZG	PVD Bronze
ZM	PVD Bronze

Further Information

Further information regarding the details contained in this certificate may be obtained from Allgood PLC (Tel: 0121 359 4415).

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

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ANNEX

Ref.	Description	EN12209/EN179 Classification										
MECHANICAL Redlocks												
9960	Latch	3	X	8	1	0	F	-	B	0	3	0
9960N	Latch – Square	3	X	8	1	0	F	-	B	0	3	0
9960F	Latch – Radiused	3	X	8	1	0	F	-	B	0	3	0
9962HDP	Apartment Lock Entrance/Privacy	3	X	8	1	0	F	3	B	A	3	0
9962HDP	Apartment Lock Entrance/Privacy (EN179)	3	7	6	B	1	3	4	2	A	B/D	
9962NHD	Apartment Lock Entrance/Privacy – Square	3	X	8	1	0	F	3	B	A	3	0
9962NHD	Apartment Lock Entrance/Privacy – Square (EN179)	3	7	6	B	1	3	4	2	A	B/D	
9962FHD	Apartment Lock Entrance/Privacy – Radiused	3	X	8	1	0	F	3	B	A	3	0
9962FHD	Apartment Lock Entrance/Privacy – Radiused	3	7	6	B	1	3	4	2	A	B/D	
9964P	Deadlock	3	X	8	1	0	F	3	B	A	0	0
9964N	Deadlock – Square	3	X	8	1	0	F	3	B	A	0	0
9964F	Deadlock – Radiused	3	X	8	1	0	F	3	B	A	0	0
9968HD	Bathroom Lock	3	X	8	1	0	F	-	B	0	3	0
9968NHD	Bathroom Lock – Square	3	X	8	1	0	F	-	B	0	3	0
9968FHD	Bathroom Lock – Radiused	3	X	8	1	0	F	-	B	0	3	0
9970P	Non Deadlocking Night	3	X	8	1	0	F	3	B	B	3	0
9970P	Non Deadlocking Night (EN179)	3	7	6	B	1	3	4	2	A	B/D	
9970N	Non Deadlocking Night – Square	3	X	8	1	0	F	3	B	B	3	0
9970N	Non Deadlocking Night – Square (EN179)	3	7	6	B	1	3	4	2	A	B/D	
9970F	Non Deadlocking Night – Radiused	3	X	8	1	0	F	3	B	B	3	0
9970F	Non Deadlocking Night – Radiused (EN179)	3	7	6	B	1	3	4	2	A	B/D	
9980P	Deadlocking Night Latch	3	X	8	1	0	F	3	K	A	3	0
9980N	Deadlocking Night Latch– Square	3	X	8	1	0	F	3	K	A	3	0
9980F	Deadlocking Night Latch– Radiused	3	X	8	1	0	F	3	K	A	3	0
9990HDP	Deadlocking Escape Night Latch	3	7	6	B	1	3	4	2	A	B/D	
9990NHD	Deadlocking Escape Night Latch – Square	3	7	6	B	1	3	4	2	A	B/D	
9990FHD	Deadlocking Escape Night Latch – Radiused	3	7	6	B	1	3	4	2	A	B/D	

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ANNEX - Cont'd

Ref.	Description	EN179 Classification									
ELECRO-MECHANICAL Redlocks											
9945P5L	Fail Secure LH 12V	3	7	6	B	1	3	4	2	A	B/D
9945N5L	Fail Secure LH 12V – Square	3	7	6	B	1	3	4	2	A	B/D
9945F5L	Fail Secure LH 12V – Radiused	3	7	6	B	1	3	4	2	A	B/D
9945P5R	Fail Secure RH 12V	3	7	6	B	1	3	4	2	A	B/D
9945N5R	Fail Secure RH 12V – Square	3	7	6	B	1	3	4	2	A	B/D
9945F5R	Fail Secure RH 12V – Radiused	3	7	6	B	1	3	4	2	A	B/D
9945P6L	Fail Secure LH 24V	3	7	6	B	1	3	4	2	A	B/D
9945N6L	Fail Secure LH 24V – Square	3	7	6	B	1	3	4	2	A	B/D
9945F6L	Fail Secure LH 24V – Radiused	3	7	6	B	1	3	4	2	A	B/D
9945P6R	Fail Secure RH 24V – Square	3	7	6	B	1	3	4	2	A	B/D
9945N6R	Fail Secure RH 24V – Square	3	7	6	B	1	3	4	2	A	B/D
9945F6R	Fail Secure RH 24V – Radiused	3	7	6	B	1	3	4	2	A	B/D
9946P5L	Fail Safe LH 12V	3	7	6	B	1	3	4	2	A	B/D
9946N5L	Fail Safe LH 12V – Square	3	7	6	B	1	3	4	2	A	B/D
9946F5L	Fail Safe LH 12V – Radiused	3	7	6	B	1	3	4	2	A	B/D
9946P5R	Fail Safe RH 12V	3	7	6	B	1	3	4	2	A	B/D
9946N5R	Fail Safe RH 12V – Square	3	7	6	B	1	3	4	2	A	B/D
9946F5R	Fail Safe RH 12V – Radiused	3	7	6	B	1	3	4	2	A	B/D
9946P6L	Fail Safe LH 24V	3	7	6	B	1	3	4	2	A	B/D
9946N6L	Fail Safe LH 24V – Square	3	7	6	B	1	3	4	2	A	B/D
9946F6L	Fail Safe LH 24V – Radiused	3	7	6	B	1	3	4	2	A	B/D
9946P6R	Fail Safe LH 24V	3	7	6	B	1	3	4	2	A	B/D
9946N6R	Fail Safe LH 24V – Square	3	7	6	B	1	3	4	2	A	B/D
9946F6R	Fail Safe LH 24V – Radiused	3	7	6	B	1	3	4	2	A	B/D

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