



CERTIFICATE OF APPROVAL

No CF 5117

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

ASSA ABLOY Security Solutions

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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

UNION 2200 and 2100
Series Mortice Cased
Locksets

TECHNICAL SCHEDULE

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

Signed and sealed for and on behalf of Exova (UK) Limited trading as
Warrington Certification

Paul Duggan
Certification Manager

Issued: 1st October 2013
Reissued: 24th January 2019
Valid to: 23rd January 2024

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UNION 2200 And 2100 Series Locks

1. The approval applies to the following products and configurations:

Lock/Latch Reference	Description
2205	5 lever sashlock
2105	5 lever deadlock
2203	3 lever sashlock
2103	3 lever deadlock
22WC	Bathroom lock
22EU	Euro profile cylinder sashlock
21EU	Euro profile cylinder deadlock
22OV	Oval profile cylinder sashlock
21OV	Oval profile cylinder deadlock

The range is supplied with 26 mm wide square forends. The lockcase, forends and strike plates are of steel. The latchbolt has a 12 mm throw and is Zinc. The deadbolts are Zinc with hardened steel rollers.

2. This certification is provided to the client for its 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 up to 60 minutes (Code ITT).

4. The locks and latches are approved on the basis of:
- i) Initial type testing to EN 1634-1: 2008 and EN 12209: 2003
 - ii) An appraisal against TS23
 - iii) Certification of quality management system to ISO 9001.
 - iv) Inspection and surveillance of factory production control
 - v) On-going audit testing in accordance with TS23 requirements

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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), 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 shall be followed:

Timber-based assemblies:

- i) Door frame density - 450 kg/m³ (30 minutes), 640 kg/m³ (60 minutes)
 - ii) Door leaves shall have a minimum thickness of 44 mm for 30 minute applications and 54 mm for 60 minute applications.
 - iii) Lipping density - 640 kg/m³.
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 1 mm thick Interdens mono ammonium phosphate intumescent sheet material around the lock case, and 2 mm thickness of the same material behind the forend and strike/keep plate and backbox.
 - ii) The required protection for 60 minute ITT applications will be 2 mm thick Interdens mono ammonium phosphate intumescent sheet material around the lock case and behind the forend and strike plate and backbox. Additionally the perimeter intumescent fire seals within the frame/door edge shall by-pass the strike plate or forend by a minimum of 4 mm wide on each side (with the exception of the latchbolt lead where present).

Note: Failure to install the protection will invalidate this certificate

7. Deadlock assemblies not incorporating a latching mechanism shall only be fitted to proven unlatched doorset assemblies or door assemblies that are permanently locked.
8. Recessing for locks shall result in a tight fit, allowing for any intumescent protection where required.
9. The locks/latches should not be fitted higher than 1100 mm from the finished floor level of the surrounding floors.
10. The doorset shall be installed in accordance with BS 8214.



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11. 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.
12. The following table shows the acceptable doorset types and fire resistance periods:

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

Key:

- ✓ - approved
x - Not approved

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13. 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.

14. Approved lock/latch models and classifications.

Lock/Latch Reference	Description	Classification to EN 12209: 2003										
2205	5 lever sashlock	2	M	4	1	0	F	2	K	D	2	B
2105	5 lever deadlock	2	M	4	1	0	F	2	K	D	0	B
2203	3 lever sashlock	2	M	4	1	0	F	2	K	D	2	A
2103	3 lever deadlock	2	M	4	1	0	F	2	K	D	0	A
22WC	Bathroom lock	2	M	4	1	0	F	1	B	G	2	0
22EU	Euro profile cylinder sashlock	2	M	4	1	0	F	2	B	A	2	0
21EU	Euro profile cylinder deadlock	2	M	4	1	0	F	2	B	A	0	0
22OV	Oval profile cylinder sashlock	2	M	4	1	0	F	1	B	A	2	0
21OV	Oval profile cylinder deadlock	2	M	4	1	0	F	1	B	A	0	0

The approval includes the above lock models in 2.5" and 3.0" versions.
The approval covers various finishes.



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Approved Accessories

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

width	30 mm (exc. Lip)
height	178 mm
Latchbolt- lip height	95 mm

Further Information

Further information regarding the details contained in this certificate may be obtained from Union (Tel: 0845 2232124).

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