Assessment Summary For Codelocks Ltd

Scope of Assessment

This Summary has been prepared by **Warringtonfire** and is a summary of the assessment report referenced below in relation to "The Fire Resistance Performance of Timber Doorsets Incorporating Codelocks Mechanical and Electronic Pushbutton Locks". Full details of the justification for the conclusions given as well as the validity statements are given in that report.

Assessment Report Reference	Period of Validity
WF No. 332711 Issue 2	31st November 2024

Appraised Scope – General Comments

The hardware discussed within WF No. 332711 issue 2 may be fitted to a timber doorset which has achieved 30 or 60 minutes integrity and insulation in accordance with BS 476: Part 22: 1987 or BS EN 1634-1, without detrimental effect upon said doorset provided the recommendations given within WF No. 332711 issue 2 are followed.

The proposed doorsets are required to provide a fire resistance performance of 30 or 60 minutes integrity and insulation, with respect to BS 476: Part 22: 1987 or BS EN 1634-1 when incorporating the proposed hardware.

It is assumed that the clearance gaps shall not exceed those measured for the relevant fire tested doorset. It is also assumed that the doorset will be in the closed and latch position. Where the lockset does not incorporate a self-latching mechanism then either the lockset must be engaged or the doorset must have proven the required period without restraint of a lockset.

The doorset and its components shall be installed by competent installers in a similar manner in which it was tested. Recessing for the locks shall result in a tight fit, allowing for intumescent protection were required. The locks/latches shall not be fitted higher than 1400 mm from the finished floor level to the tubular latch.

The supporting construction shall have been the subject of a separate test and its performance is such that it shall not influence the performance of the doorset for the required period.

Appraised Scope – Electromagnetic Pushbutton Locks

The report considers the fire resistance performance of single-acting timber based doorsets, when fitted with the electronic locks listed below:

CL2255	CL4010	CL4510	CL5010	CL5010 B/B	CL5010 Audit Trail	CL5510

FD30 & FD60

The CL2255, CL5010, CL4510 and CL5510 have been proved by a test as suitable for use with previously proven 30 and 60 minute timber doorsets. These models were considered the most onerous models to be tested. The other units that were not tested have been positively appriased, baised on, either the additional functions included are not considered influential on their contribution to the fire performance, or the model in terms of size is smaller than the largest but bigger than the smallest unit tested and it shares the preperation and latching components of the models previously tested.

Appraised Scope – Mechanical Pushbutton Locks

The report considers the fire resistance performance of single-acting timber based doorsets, when fitted with the mechanical locks listed below:

CL160	CL155	CL190 B/B	CL255	CL290 B/B	CL410	CL415	CL510	CL515	CL610	CL615

FD30 & FD60

The CL155, CL515 and CL610 models have been proven by a test for use with previously proven 30 and 60 minute timber doorsets. These models were considered the most onerous models to be tested. The other units that were not tested have been positively appriased, based on, either, the additional functions included are not considered influential on their contribution to the fire performance, or the model in terms of size is smaller than the largest but bigger than the smallest unit tested and it shares the preperation and latching components of the models previously tested.

Intumescent Protection

In all instances the locks shall be provided with intumescent protection in the form of:

Manufacturer	:	Codelocks Ltd.
Reference	:	Codelocks Fire Kit.
Material	:	Interdens intumescent strips.
ø 10mm cross bore (fixing bolt)	:	2 No bore holes lined with 8 mm diameter x 1 mm thick graphite based intumescent tube.
ø 16 mm cross bore (data cable) (electromagnetic push button locks only)	:	Lined with 1 mm thick Interdens sheet.
ø 25 mm cross bore (spindle)	:	Lined with 2 No. 10 mm wide x 1 mm thick Interdens strips either side of the latch body.
Latch fore plate	:	Bedded on one layer of 1 mm Interdens sheet.
Strikeplate	:	Bedded on one layer of 1 mm Interdens sheet.

Additionally for 60 minute applications the perimeter intumescent fire seal within the frame rebate or door edge shall by-pass the strikeplate or forend by a minimum of 4.5 mm on each (excluding the latchbolt lip).

Appraised Scope – General Details

The same tubular latch is used throughout the range and is available with a 50, 60 or 70 mm backset. Both the 60 and 70 mm backsets have been tested sucessfully, the 50 mm backset requires less material to be removed from the door and in doing so has less impact upon the doorset.

As the pushbutton locks have been tested from both directions and no changes are required to be made to the preperation of the door models that offer the 'B/B' (back to back) or the 'K/O' (key overide) option are not considered detrimental to the performance of fire resisting doorsets.

Full copies of the test may be obtained from:

Codelocks Ltd
Albury Way
Greenham Business Park
Newbury
RG19 6HW
United Kingdom

Issue 2 – amendment to clients address by A. Green-Morris on 16th September 2021.