Understanding Certifire Matrix of Acceptable Doorsets

All hardware carrying the Certifire mark is suitable for the use on a fire/escape route door.

Fire testing can either be carried out under BS476: Part 22 (UK standard – not endorsed outside of UK) or EN1634-1 (EN standard – endorsed EU wide and most non-EU countries).

An easy way to identify if a product has been tested and covered under EN1634-1, and/or exact scope of suitable door type, is by referring to and understanding the Matrix of acceptable doorsets, which is included in most Certifire certificates. Refer tample below:

Class	Approved Door Type					
	IMM	MM	TT	ITT	ITM	ITC
FD20	✓	✓	✓	✓	✗	✗
FD30	✓	✓	✗	✓	✗	✗
FD60	✓	✓	✗	✓	✗	✗
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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The top row lists the door and frame type:

IMM	steel door in a steel frame with intumescent seals
MM	steel door in a steel frame
TT	timber door in a timber frame
ITT	timber door in a timber frame with intumescent seals
ITM	timber door in a metal frame with intumescent seals
ITC	timber door in a composite frame with intumescent seals

The column on left lists the fire class of doorset:

FD20	fire door (20 minutes)	covered by BS476: Part 22
FD30	fire door (30 minutes)	covered by BS476: Part 22
FD60	fire door (60 minutes)	covered by BS476: Part 22
FD120	fire door (120 minutes)	covered by BS476: Part 22
FD240	fire door (240 minutes)	covered by BS476: Part 22
E 20	non insulated fire door (20 minutes)	covered by EN1634-1
E 30	non insulated fire door (30 minutes)	covered by EN1634-1
E 60	non insulated fire door (60 minutes)	covered by EN1634-1
E 90	non insulated fire door (90 minutes)	covered by EN1634-1
E 120	non insulated fire door (120 minutes)	covered by EN1634-1
E 240	non insulated fire door (240 minutes)	covered by EN1634-1
EI 20	insulated fire door (20 minutes)	covered by EN1634-1
EI 30	insulated fire door (30 minutes)	covered by EN1634-1
EI 60	insulated fire door (60 minutes)	covered by EN1634-1
EI 90	insulated fire door (90 minutes)	covered by EN1634-1
EI 120	insulated fire door (120 minutes)	covered by EN1634-1
EI 240	insulated fire door (240 minutes)	covered by EN1634-1

Warrington Certification Ltd (WCL) have an online Technical Directory, where you can find the Certifire Register. The register is a comprehensive guide which lists all certificated products and systems. It is a live database, all historical Certifire certificates are listed, however, only current and valid product certificates are available to view and download.

It is recommended that the register be visited at the time of writing specification to revalidate individual products field of application, as many manufacturers carry out additional testing or introduce new products all the time.

WCL Technical Directory can be found online: http://www.warringtoncertification.com/