



System		Building Element	Thickness	Protection	Product	Test Standard	Report No.	Max Size	Certifire	Certifire Max Size
Door 1	▲	Timber Fire Door	44mm/ 54mm	FD30/FD60	<b>LVV40</b>	BS 476-20:1987	WF185829/A	600 x 600mm	CF564	600mm x 600mm
Door 2	▲	Timber Fire Door	44mm	FD30	<b>LVN20</b>	BS 476-22:1987	WFRC C122567	0.36m <sup>2</sup>	CF564	0.2025m <sup>2</sup>
Door 3	▲	Timber Fire Door	Min. 50mm	FD30	<b>LVN25</b>	BS 476-22:1987	WFRC C122567	0.36m <sup>2</sup>	CF564	0.2025m <sup>2</sup>
Door 3	▲	Timber Fire Door	54mm	FD60	<b>LVN25</b>	BS 476-22:1987	WFRC C122567	0.36m <sup>2</sup>	CF564	0.2025m <sup>2</sup>
Door 4	▲	Timber Fire Door	44mm/54mm	FD30/FD60	<b>LVH44</b>	BS 476-22:1987	WFRC C397901	0.2025m <sup>2</sup>	-	-
Door 5	▲	Mineral Composite	Min. 44mm	FD120	<b>LVH44</b>	BS 476-22:1987	WFRC C397901	0.2025m <sup>2</sup>	CF564	0.2025m <sup>2</sup>
Door 6	▲	Steel Fire Door	Min. 44mm	FD120	<b>LVH44</b>	BS 476-22:1987	WFRC C397901	0.2025m <sup>2</sup>	CF564	0.2025m <sup>2</sup>
Door 7	▲ ▲	Timber Fire Door	44mm	FD30S	<b>LVN20S</b>	BS 476-22:1987	-	0.16m <sup>2</sup>	CF564	0.16m <sup>2</sup>
Door 8	▲ ▲	Timber Fire Door	54mm	FD60S	<b>LVN20S</b>	BS 476-22:1987	APPLUS-19-19940-1428	350mm x 350mm	CF564	0.16m <sup>2</sup>
Door 9	▲ ▲	Timber Fire Door	Min. 50mm	FD30S	<b>LVN25S</b>	BS 476-22:1987	-	400mm x 400mm	CF564	0.16m <sup>2</sup>
Door 10	▲ ▲	Timber Fire Door	54mm	FD60S	<b>LVN25S</b>	BS 476-22:1987	APPLUS-19-19940-1428	350mm x 350mm	CF564	0.16m <sup>2</sup>
Door 11	▲	Timber frame	*Frame	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW4T1)	1200mm x 600mm	-	-
Door 12	▲	Timber frame	*Frame	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW4T2)	1200mm x 600mm	-	-
Door 13	▲	Timber frame	*Frame	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW4T3)	1200mm x 600mm	-	-
Door 14	▲	Steel frame	*Frame	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW4S1)	1200mm x 600mm	-	-
Door 15	▲	Steel frame	*Frame	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW4S2)	1200mm x 600mm	-	-
Door 16	▲	Steel frame	*Frame	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW4S3)	1200mm x 600mm	-	-
Wall 1	▲	Rigid wall construction	-	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW1)	600mm x 600mm	CF564	0.2025m <sup>2</sup>
Wall 2	▲	Rigid wall construction	-	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW2)	600mm x 600mm	CF564	0.2025m <sup>2</sup>
Wall 3	▲	Rigid wall construction	-	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW3)	600mm x 600mm	CF564	0.2025m <sup>2</sup>
Wall 4	▲	FR Flexible Wall	-	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW4)	600mm x 600mm	-	-
Wall 5	▲	FR Flexible Wall	-	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW5)	600mm x 600mm	-	-
Wall 6	▲	FR Flexible Wall	-	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW6)	600mm x 600mm	-	-
Wall 7	▲	Rigid wall construction	-	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW7)	600mm x 600mm	-	-
Wall 8	▲	Modular System for rigid wall constructions	-	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW8)	1200mm x 600mm	-	-
Wall 9	▲	Modular System for rigid wall constructions	-	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316 (AW9)	1200mm x 600mm	-	-
Wall 10	▲	Modular System for rigid wall constructions	-	FR120	<b>LVH44</b>	BS 476-22:1987	WRFC C121316	3600mm x 1200mm	-	-
Wall 11	▲	Rigid wall construction	-	FR120/EI90	<b>LVH44</b>	BS EN 1364-5:2017	19/19894-253	1000mm (w) x 500mm (h)	-	-
Wall 12	▲	Rigid wall construction	-	FR60	<b>LVV40</b>	BS 476-22:1987	WF185829/A	600mm x 600mm	CF564	600mm x 600mm
Wall 13	▲	Rigid wall construction	-	FR60	<b>LVC40</b>	BS 476-22:1987	WF185829/A	600mm x 600mm	CF654	600mm x 600mm
Wall 14	▲	Rigid wall construction	-	E1120	<b>LVV40</b>	BS EN 1364-5:2017	19/19894-253	600mm x 600mm	-	-
Wall 15	▲	FR Flexible Wall	-	EI60	<b>LVV40</b>	BS EN 1364-5:2017	LBO-1333/19E	600mm x 600mm	-	-
Wall 16	▲ ▲	Rigid wall construction	-	EI60S/FR90S	<b>LVV40S</b>	BS 476-20:1987 BS EN 1364-5:2017	18/17274-1071	600mm (w) x 400mm (h) (640mm x 440mm overall)	CF564	0.2025m <sup>2</sup>
Wall 17	▲ ▲	FR Flexible Walls	-	EI60S	<b>LVV40S</b>	BS EN 1364-5:2017	LBO-1333/19E	600mm (w) x 400mm (h) (640mm x 440mm overall)	-	-
Wall 18	▲ ▲	Rigid wall construction	-	FR120	<b>LVH44S</b>	BS 476-22:1987	WRFC C121316	600mm x 600mm (640mm x 640mm overall)	-	-
Wall 19	▲ ▲	FR Flexible Wall	-	FR120	<b>LVH44S</b>	BS 476-22:1987	WRFC C121316	600mm x 600mm (640mm x 640mm overall)	-	-
Wall 20	▲ ▲	Rigid wall construction	-	E60S	<b>LVH20S</b>	BS EN 1364-5:2017	19/19894-253	600mm x 600mm	-	-

\*Timber or steel frame as part of associated doorset framing system.

System		Building Element	Thickness	Protection	Product	Test Standard	Report No.	Max Size	Certifire	Certifire Max Size
Duct 1	▲	Circular plastic pipe	-	FR60	LVC40	BS 476-20:1987	WF185829/A	150mm diameter	-	-
Duct 2	▲	Circular steel duct	-	FR60	LVC40	BS 476-22:1987	WF185829/A	*600mm diameter **450mm diameter	-	-
Duct 3	▲	Rectangular steel duct	-	FR120	LVH44	BS 476-22:1987	WFRC C121316	600mm x 600mm	-	-
Duct 4	▲	Insulated duct section	-	FR120	LVH44	BS 476-22:1987	WFRC C121316	600mm x 600mm	-	-
Duct 5	▲	Rigid wall construction with angle fixings to wall (Duct to Duct)	-	FR120	LVHC44	BS 476-22:1987	WFRC C121316 (OW1) WFRC 397901	600mm diameter	-	-
Duct 6	▲	Rigid wall construction with angle clamps (Duct to Duct)	-	FR120	LVHC44	BS 476-22:1987	WFRC C121316 (OW2) WFRC 397901	600mm diameter	-	-
Door 7	▲	FR Flexible wall with angle fixings to wall	-	FR120	LVHC44	BS 476-22:1987	WFRC C121316 (OW3) WFRC 397901	600mm diameter	-	-
Duct 8	▲	FR Flexible wall with angle clamps	-	FR120	LVHC44	BS 476-22:1987	WFRC C121316 (OW4) WFRC 397901	600mm diameter	-	-
Duct 9	▲	Rigid wall construction with angle fixings (Duct to Grilles)	-	FR120	LVHC44	BS 476-22:1987	WFRC C121316 (OW5) WFRC 397901	600mm diameter	-	-
Duct 10	▲	Rigid wall construction (Duct to Duct)	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (W-SERIES)	600mm x 600mm	-	-
Duct 11	▲	FR Flexible wall (Duct to Duct)	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (W-SERIES)	600mm x 600mm	-	-
Duct 12	▲	FR Flexible wall (Duct to Grille)	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (W-SERIES)	600mm x 600mm	-	-
Duct 13	▲	Rigid wall construction with metal casing (Duct to Grille)	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (W-SERIES)	600mm x 600mm	-	-
Duct 14	▲	Rectangular steel duct	-	E240/EI30	LVH54	ISO 10294-5	BRE 227730	600mm x 600mm	-	-
Duct 15	▲ ▲	Rectangular steel duct	-	FR120*/ FR240**	LVHCTD + LVH44*/ LVH54**	BS 476-22:1987* ISO 10294-5**	WFRC C121316* BRE 227730**	600mm x 600mm	-	-
Floor 1	▲	Masonry floor with angle fixings	-	FR120	LVHC44	BS 476-22:1987	WFRC C121316 (OF1)	600mm diameter	-	-
Floor 2	▲	Masonry floor with angle clamps	-	FR120	LVHC44	BS 476-22:1987	WFRC C121316 (OF2)	600mm diameter	-	-
Floor 3	▲	Masonry floor with angle fixings	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (AF1)	600mm x 600mm	-	-
Floor 4	▲	Masonry floor with Z section fixings	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (AF2)	600mm x 600mm	-	-
Floor 5	▲	Masonry floor with Z section fixings using pre-cast slab to suit	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (AF3)	600mm x 600mm	-	-
Floor 6	▲	Fixing on top of masonry floor with angle fixings	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (AF5)	600mm x 600mm	-	-
Floor 7	▲	Modular system for masonry floor	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (AF6)	1200mm x 600mm	-	-
Floor 8	▲	Fixing on top of masonry floors with angle fixings (modular systems)	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (AF7)	2400mm x 600mm	-	-
Floor 9	▲	Masonry floor (duct to duct)	-	FR120	LVH44	BS 476-22:1987	WFRC C121316 (F1)	1200mm x 600mm	-	-

**NOTE:** Mechanical Services Engineers, Specifiers and Certifiers should always request access to manufacturers' primary fire test approvals and satisfy themselves that these relate to the products they are specifying or certifying.

Lorient **DOES NOT** endorse the use of test reports which reference Lorient intumescent air transfer grilles being used to support the certification of other manufacturers' intumescent air transfer grille products.