

LORIENT LVH INTUMESCENT FIRE DAMPER SYSTEM SELECTOR

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System Number	Building Element	Product	Max Size	FRL	System Detail	Approval Reference	Relevant Standard
Wall 1	Masonry or Concrete wall	LVH44	Up to 1.2m x 2.4m (2.8sqm)	Up to -/120/60	In duct angles both sides	CSIRO FCO 3127	AS1530.4 2014
Wall 2	Masonry or Concrete wall	LVH44	Up to 1.2m x 2.4m (2.8sqm)	Up to -/120/60	In duct angles one side	CSIRO FCO 3127	AS1530.4 2014
Wall 3	Masonry or Concrete wall	LVH44	Up to 1.2m x 2.4m (2.8sqm)	Up to -/120/60	In duct terminating with wall grille	CSIRO FCO 3127	AS1530.4 2014
Wall 4	Masonry or Concrete wall	LVH44	Up to 1.2m x 2.4m (2.8sqm)	Up to -/120/60	In duct tight to slab	CSIRO FCO 3127	AS1530.4 2014
Wall 5	Masonry or Concrete wall	LVH44	Up to 1.2m x 2.4m (2.8sqm)	Up to -/120/60	In duct tight to adjacent wall	CSIRO FCO 3127	AS1530.4 2014
Wall 6	Masonry or Concrete wall	LVH44C Circular	Up to 450mm diameter	Up to -/120/60	In duct angles one side	EXOVA EWFA 33233400	AS1530.4 2014
Wall 7	CSR Hebel® wall	LVH44	450mm x 450mm	Up to -/120/60	In duct angles both sides	EXOVA EWFA 33233400	AS1530.4 2014
Wall 8	CSR Hebel® wall	LVH44	450mm x 450mm	Up to -/120/60	In duct angles one side	EXOVA EWFA 33233400	AS1530.4 2014
Wall 9	CSR Hebel® wall	LVH44C Circular	Up to 450mm diameter	Up to -/120/60	In duct angles one side	EXOVA EWFA 33233400	AS1530.4 2014
Wall 10	CSR Hebel® wall	LVH44	450mm x 450mm	Up to -/120/60	In duct angle to one side	EXOVA EWFA 33233400	AS1530.4 2014
Wall 11	CSR Hebel® wall	LVH44C Circular	Up to 450mm diameter	Up to -/120/60	In duct angles one side	EXOVA EWFA 33233400	AS1530.4 2014
Wall 12	CSR Hebel® wall	LVH44	450mm x 450mm	Up to -/120/60	Duct to duct - tight to slab	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 1	FR Plasterboard steel stud wall	LVH44C Circular	Up to 450mm diameter	-/60/60	13mm + 13mm steel stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 2	FR Plasterboard steel stud wall	LVH44	450mm x 450mm	-/60/60	13mm + 13mm steel stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 3	FR Plasterboard steel stud wall	LVH44	450mm x 450mm	-/90/60	16mm + 16mm steel stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 4	FR Plasterboard steel stud wall	LVH44C Circular	Up to 450mm diameter	-/90/60	16mm + 16mm steel stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 5	FR Plasterboard steel stud wall	LVH44	450mm x 450mm	-/120/60	2 x 13mm + 2 x 13mm steel stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 6	FR Plasterboard steel stud wall	LVH44C Circular	Up to 450mm diameter	-/120/60	2 x 13mm + 2 x 13mm steel stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 7	FR Plasterboard steel stud wall	LVH44C Circular	Up to 450mm diameter	-/120/60	2 x 16mm + 2 x 16mm steel stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 8	FR Plasterboard steel stud wall	LVH44	600mm x 600mm	-/60/-	13mm + 13mm steel stud wall	CSIRO FCO 3149	AS1530.4 2014
Stud Wall 9	FR Plasterboard steel stud wall	LVH44	600mm x 600mm	-/90/-	2 x 13mm + 13mm steel stud wall	CSIRO FCO 3149	AS1530.4 2014
Stud Wall 10	FR Plasterboard steel stud wall	LVH44	600mm x 600mm	-/120/-	2 x 13mm + 2 x 13mm steel stud wall	CSIRO FCO 3149	AS1530.4 2014
Stud Wall 11	FR Plasterboard steel stud wall	LVH44	600mm x 600mm	-/90/-	16mm + 16mm steel stud wall	CSIRO FCO 3149	AS1530.4 2014
Stud Wall 12	FR Plasterboard steel stud wall	LVH44	600mm x 600mm	-/120/-	1 x 16mm + 2 x 16mm steel stud wall	CSIRO FCO 3149	AS1530.4 2014
Stud Wall 13	FR Plasterboard steel stud wall	LVH44	600mm x 600mm	-/120/-	2 x 16mm + 2 x 16mm steel stud wall	CSIRO FCO 3149	AS1530.4 2014
Stud Wall 14	FR Plasterboard timber stud wall	LVH44	450mm x 450mm	-/60/60	13mm + 13mm timber stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud wall 15	FR Plasterboard timber stud wall	LVH44	450mm x 450mm	-/90/60	16mm + 16mm timber stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud wall 16	FR Plasterboard timber stud wall	LVH44	450mm x 450mm	-/120/60	2 x 13mm + 2 x 13mm timber stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 17	FR Plasterboard timber stud wall	LVH44	450mm x 450mm	-/120/60	2 x 16mm + 2 x 16mm timber stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 18	FR Plasterboard steel stud wall	LVH44	450mm x 450mm	-/60/60	13mm + 13mm steel stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 19	FR Plasterboard steel stud wall	LVH44	450mm x 450mm	-90/60	16mm + 16mm steel stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Stud Wall 20	FR Plasterboard steel stud wall	LVH44	450mm x 450mm	-/120/60	2 x 13m or 2 x 16mm steel stud wall	EXOVA EWFA 33233400	AS1530.4 2014
Shaft Wall 1	FR Plasterboard riser shaft wall	LVH44	600mm x 600mm	Up to -/120/-	25mm shaft wall liner + 16mm FR plasterboard	CSIRO FCO 3149	AS1530.4 2014
Shaft Wall 2	FR Plasterboard riser shaft wall	LVH44	600mm x 600mm	Up to -/120/-	25mm shaft wall liner + 2 x16mm FR plasterboard	CSIRO FCO 3149	AS1530.4 2014
Shaft Wall 3	FR Plasterboard riser shaft wall	LVH44	600mm x 600mm	Up to -/120/-	25mm shaft wall liner + 2x13mm FR plasterboard	CSIRO FCO 3149	AS1530.4 2014
Shaft Wall 4	FR Plasterboard laminated shaft wall	LVH44	450mm x 450mm	Up to -/120/-	3 x 13mm or 3 x 16mm laminated FR plasterboard	EXOVA EWFA 33233400	AS1530.4 2014
Shaft Wall 5	FR Plasterboard laminated shaft wall	LVHC Circular	Up to 450mm diameter	Up to -/120/-	3 x 13mm or 3 x 16mm laminated FR plasterboard	EXOVA EWFA 33233400	AS1530.4 2014

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System Number	Building Element	Product	Max Size	FRL	System Detail	Approval Reference	Relevant Standard
Angle Free 1	Masonry or concrete wall minimum 90mm thick	LVH44 or LVHC44 Circular	450mm x 450mm or 450mm diameter	Up to -/120/60	FR masonry or concrete shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 2	Hebel® wall minimum 75mm thick	LVH44 or LVHC44 Circular	450mm x 450mm or 450mm diameter	Up to -/120/60	FR Hebel® shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 3	FR Plasterboard wall	LVH44	450mm x 450mm	-/60/60	13mm FR plasterboard shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 4	FR Plasterboard wall	LVH44	450mm x 450mm	Up to -/90/60	16mm FR plasterboard shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 5	FR Plasterboard wall	LVH44	450mm x 450mm	Up to -/120/60	13mm or 16mm FR plasterboard shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 6	FR laminated plasterboard wall	LVH44	450mm x 450mm	Up to -/120/-	25mm FR plasterboard shaft wall liner	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 7	FR Plasterboard wall	LVH44	450mm x 450mm	Up to -/90/60 or Up to -/120/60	FR plasterboard shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 8	Masonry or concrete wall minimum 90mm thick	LVH44	450mm x 450mm	Up to -/120/60	FR masonry or concrete shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 9	Hebel® wall minimum 75mm thick	LVH44	450mm x 450mm	Up to -/120/60	FR Hebel® shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 10	FR Plasterboard wall	LVH44	450mm x 450mm	-/60/60	13mm FR plasterboard shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 11	FR Plasterboard wall	LVH44	450mm x 450mm	Up to -/90/60	16mm FR plasterboard shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 12	FR Plasterboard shaft wall	LVH44	450mm x 450mm	Up to -/120/60	13mm or 16mm FR plasterboard shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 13	FR Plasterboard laminated shaft wall	LVH44	450mm x 450mm	Up to -/120/-	13mm or 16mm FR laminated plasterboard shaft wall	EXOVA EWFA 33233400	AS1530.4 2014
Angle Free 14	25mm shaft wall liner	LVH44	450mm x 450mm	Up to -/120/60	25mm shaft wall liner + 13mm or 16mm FR plasterboard	EXOVA EWFA 33233400	AS1530.4 2014
Speedpanel® Wall 1	51mm, 64mm, 78mm Speedpanel® wall	LVH44	1000mm x 1000mm	Up to -/120/-	General installation detail	EXOVA EWFA RIR 21622-24	AS1530.4 2005
Speedpanel® Wall 2	51mm, 64mm, 78mm Speedpanel® wall	LVH44	450mm x 450mm	Up to -/120/30	In duct angles both sides	EXOVA EWFA 33233400	AS1530.4 2014
Speedpanel® Wall 3	51mm, 64mm, 78mm Speedpanel® wall	LVH44	450mm x 450mm	Up to -/120/30	In duct angles one side	EXOVA EWFA 33233400	AS1530.4 2014
Speedpanel® Wall 4	51mm, 64mm, 78mm Speedpanel® wall	LVH44C Circular	Up to 450mm diameter	Up to -/120/60	In duct angles one side	EXOVA EWFA 33233400	AS1530.4 2014
Speedpanel® Wall 5	51mm, 64mm, 78mm Speedpanel® wall	LVH44	450mm x 450mm	Up to -/120/30	Mounted in wall with eggcrate cover grille	EXOVA EWFA 33090200	AS1530.4 2005
Pronto Panel™ 1	LVH44 penetrating Pronto Panel™ wall system	LVH44	450mm x 450mm	Up to -60/60	In duct angles both sides	EXOVA EWFA 33233400	AS1530.4 2014
Pronto Panel™ 2	LVH44C penetrating Pronto Panel™ wall system	LVH44C Circular	Up to 450mm diameter	Up to -/120/60	In duct angles one side	EXOVA EWFA 33233400	AS1530.4 2014
Pronto Panel™ 3	LVH44 penetrating Pronto Panel™ wall system	LVH44	450mm x 450mm	Up to -/120/60	In duct angles both sides	EXOVA EWFA 33233400	AS1530.4 2014
Pronto Panel™ 4	LVH44C penetrating Pronto Panel™ wall system	LVH44C Circular	Up to 450mm diameter	Up to -/120/60	In duct angles one side	EXOVA EWFA 33233400	AS1530.4 2014
Pronto Panel™ 5	LVH44 penetrating Pronto Panel™ wall system	LVH44	450mm x 450mm	Up to -/120/60	Fitted tight to slab duct to duct	EXOVA EWFA 33233400	AS1530.4 2014
Pronto Panel™ 6	LVH44C penetrating Pronto Panel™ wall system	LVHC44	Up to 450mm diameter	Up to -/120/60	In duct angles to one side	EXOVA EWFA 33233400	AS1530.4 2014
Pronto Panel™ 7	LVH44 angle free system in Pronto Panel™ wall system	LVH44	450mm x 450mm	Up to -/120/60	Attached to riser angles one side	EXOVA EWFA 33233400	AS1530.4 2014
Pronto Panel™ 8	LVH44 duct to duct tight to slab in Pronto Panel™ wall system	LVH44	450mm x 450mm	Up to -/120/60	Fitted tight to slab - duct to duct	EXOVA EWFA 33233400	AS1530.4 2014
Pronto Panel™ 9	LVH44C angle free system in Pronto Panel™ wall system 60	LVHC44	Up to 450mm diameter	Up to -/120/60	Attached to riser angles one side	EXOVA EWFA 33233400	AS1530.4 2014

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XLAM	Xlam CLT Wall 1	Cross laminated timber wall	LVH44	Not to exceed 0.2m ²	Up to -/120/60	13mm or 16mm FR plasterboard	CSIRO FCO 3300	AS1530.4 2014	XLAM
	Xlam CLT Wall 2	Cross laminated timber wall	LVH44	Not to exceed 0.2m ²	Up to -/120/60	13mm or 16mm FR plasterboard	CSIRO FCO 3300	AS1530.4 2014	XLAM
TBA FIREFLY INTUBATT	TBA Firefly Intubatt 1	Masonry, Concrete or Hebel® wall	LVH44	450mm x 450mm	Up to -/120/-	Intubatt & LVH44 fitted in wall aperture	EXOVA EWFA RIR 34088500	AS1530.4 2005	TBA FIREFLY INTUBATT
	TBA Firefly Intubatt 2	Masonry, Concrete or Hebel® wall	LVH44	450mm x 450mm	Up to -/120/-	Intubatt & LVH44 overlapping wall aperture	EXOVA EWFA RIR 34088500	AS1530.4 2005	TBA FIREFLY INTUBATT
	TBA Firefly Intubatt 3	FR Plasterboard stud wall	LVH44	450mm x 450mm	Up to -/120/-	Intubatt & LVH44 fitted in wall aperture	EXOVA EWFA RIR 34088500	AS1530.4 2005	TBA FIREFLY INTUBATT
	TBA Firefly Intubatt 4	FR Plasterboard stud wall	LVH44	450mm x 450mm	Up to -/120/-	Intubatt & LVH44 overlapping wall aperture	EXOVA EWFA RIR 34088500	AS1530.4 2005	TBA FIREFLY INTUBATT
	TBA Firefly Intubatt 5	FR Plasterboard stud wall	LVH44	450mm x 450mm	Up to -/120/-	Intubatt & LVH44 fitted in Intubatt lined aperture	EXOVA EWFA RIR 34088500	AS1530.4 2005	TBA FIREFLY INTUBATT
	TBA Firefly Intubatt 6	Speedpanel® wall	LVH44	450mm x 450mm	Up to -/120/-	Intubatt & LVH44 overlapping wall aperture	EXOVA EWFA RIR 34088500	AS1530.4 2005	TBA FIREFLY INTUBATT
PROMAT	Promat Wall 1	PROMASIL® 1100	LVH44	800mm x 800mm	Up to -/120/-	Mounted in PROMASIL® 1100 board	BRANZ FAR 3404, FAR 4810	AS1530.4 2005	PROMAT
	Promat Wall 2	PROMASIL® 1100	LVH44	800mm x 800mm	Up to -/120/-	Mounted in PROMASIL® 1100 board	BRANZ FAR 3404, FAR 4810	AS1530.4 2005	PROMAT
CEILING	Ceiling 1	60/60/60 RISF Plasterboard ceiling	LVH44	500mm x 500mm	60/60/60 RISF 60 min	Lightweight clad plenum box	BRANZ 4581	AS1530.4 2014	CEILING
	Ceiling 2	60/60/60 RISF Plasterboard ceiling	LVH44	450mm x 450mm	60/60/60 RISF 60 min	Plasterboard clad plenum box	BRANZ 4581	AS1530.4 2014	CEILING
	Ceiling 3	60/60/60 RISF Plasterboard ceiling	LVH44C Circular	150mm diameter	60/60/60 RISF 60 min	Ceiling installation suitable for in-line fans	BRANZ FP5859	AS1530.4 2014	CEILING
FIRE RATED AIR TRANSFER GRILLES	FR Air Transfer Grille Wall 1	Masonry or concrete walls	LVH44	1200mm x 2400mm	Up to -/240/120	Insulating LVH44 air transfer grille in masonry or concrete walls	EXOVA EWFA 55205900	AS1530.4 2014	FIRE RATED AIR TRANSFER GRILLES
	FR Air Transfer Grille Wall 2	CSR Hebel® wall	LVH44	1200mm x 2400mm	Up to -/120/120	Insulating LVH44 air transfer grille CSR Hebel® walls	EXOVA EWFA 55205900	AS1530.4 2014	
	FR Air Transfer Grille Wall 3	Pronto Panel™	LVH44	1200mm x 2400mm	Up to -/120/120	Insulating LVH44 air transfer grille Pronto Panel™ walls	EXOVA EWFA 55205900	AS1530.4 2014	
	FR Air Transfer Grille Wall 4	Masonry or concrete walls	LVH44	1200mm x 2400mm	Up to -/240/-	Fire rated air transfer grille in masonry or concrete walls	EXOVA EWFA 55205900	AS1530.4 2014	
	FR Air Transfer Grille Wall 5	CSR Hebel® wall	LVH44	1200mm x 2400mm	Up to -/120/-	Fire rated air transfer grille in CSR Hebel® walls	EXOVA EWFA 55205900	AS1530.4 2014	
	FR Air Transfer Grille Wall 6	Speedpanel®	LVH44	1200mm x 2400mm	Up to -/120/-	Fire rated air transfer grille in Speedpanel® wall	EXOVA EWFA 55205900	AS1530.4 2014	
	FR Air Transfer Grille Wall 7	Pronto Panel™	LVH44	1200mm x 2400mm	Up to -/120/-	Fire rated air transfer grille in Pronto Panel™ walls	EXOVA EWFA 55205900	AS1530.4 2014	
	FR Air Transfer Grille Wall 8	Masonry or concrete walls	LVH44	Max aperture size: 1000mm x 500mm	Up to -/240/120 One direction only	Surface mounted over aperture concrete or masonry wall	EXOVA EWFA 55205900	AS1530.4 2014	
	FR Air Transfer Grille Wall 9	CSR Hebel® wall	LVH44	Max aperture size: 1000mm x 500mm	Up to -/120/120 One direction only	Surface mounted over aperture CSR Hebel® wall	EXOVA EWFA 55205900	AS1530.4 2014	
	FR Air Transfer Grille Wall 10	Pronto Panel™	LVH44	Max aperture size: 1000mm x 500mm	Up to -/120/120 One direction only	Surface mounted over aperture in Pronto Panel™ wall	EXOVA EWFA 55205900	AS1530.4 2014	
	FR Air Transfer Grille Wall 11	Pronto Panel™	LVH44	1000mm x 500mm	Up to -/120/120 One direction only	Surface mounted over aperture in Pronto Panel™ wall	EXOVA EWFA 55205900	AS1530.4 2014	
VENTILATION GRILLES	Fire Door 1	E-core® fire doors	LVH-Door	600mm x 300mm, 450mm x 450mm, 300mm x 300mm	Up to -120/30	Mini & Maxi doors up to 3 grilles per leaf	BRANZ FAR 3379	AS1530.4 1990	VENTILATION GRILLES
	Fire Door 2	Firecore TVC fire doors	LVH-Door	600mm x 300mm, 450mm x 450mm, 300mm x 300mm	Up to -/120/30	Mini & Maxi doors up to 1 grille per leaf	CSIRO FCO 3064	AS1530.4 1990	
	Fire Door 3	Pyropanel® FR, Pyrolite & Pandor fire doors	LVH-Door	600mm x 600mm, 600mm x 300mm, 450mm x 450mm, 300mm x 300mm	Up to -/240/30	Mini & Maxi doors up to 2 grilles per leaf	EXOVA EWFA 27704400	AS1530.4 2005	