

Lorient LVH Intumescent Fire Damper System Selector

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

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 LVH44 fire dampers being used to support the certification of other manufacturers' intumescent fire damper products.

Lorient LVH Intumescent Fire Damper System Selector

| System Number | Building Element | Product | Max Size | FRL | System Detail | Approval Reference | Standard Version |
|------------------------|--|-----------------|--|----------------------|--|--------------------|------------------|
| Speedpanel® wall 1 | 51mm, 64mm, 78mm Speedpanel® wall | LVH44 | 1000mm x 1000mm | up to -/120/- | General installation detail | EWFA RIR 21622-24 | AS1530.4 2005 |
| Speedpanel® wall 2 | 78mm Speedpanel® wall | LVH44 | 450mm x 450mm | -/120/30 | In duct angles both sides | EWFA 33233400 | AS1530.4 2014 |
| Speedpanel® wall 3 | 78mm Speedpanel® wall | LVH44 | 450mm x 450mm | -/120/30 | In duct angles one side | EWFA 33233400 | AS1530.4 2014 |
| Speedpanel® wall 4 | 78mm Speedpanel® wall | LVH44C Circular | Up to 450mm diameter | -/120/60 | In duct angles one side | EWFA 33233400 | AS1530.4 2014 |
| Speedpanel® wall 5 | 78mm Speedpanel® wall | LVH44 | 450mm x 450mm | -/120/30 | Mounted in wall with eggcrate cover grille | EWFA 33090200 | AS1530.4 2005 |
| Pronto Panel™ 1 | Pronto Panel™ wall | LVH44 | 450mm x 450mm | -/60/60 | In duct angles both sides | EWFA 33233400 | AS1530.4 2014 |
| Pronto Panel™ 2 | Pronto Panel™ wall | LVH44C Circular | Up to 450mm diameter | -/60/60 | In duct angles one side | EWFA 33233400 | AS1530.4 2014 |
| Pronto Panel™ 3 | Pronto Panel™ wall | LVH44 | 450mm x 450mm | -/120/60 | In duct angles both sides | EWFA 33233400 | AS1530.4 2014 |
| Pronto Panel™ 4 | Pronto Panel™ wall | LVH44C Circular | Up to 450mm diameter | -/120/60 | In duct angles one side | EWFA 33233400 | AS1530.4 2014 |
| TBA Firefly Intubatt 1 | Masonry, Concrete or Hebel® wall | LVH44 | 450mm x 450mm | -/120/120 | Intubatt & LVH44 fitted in wall aperture | EXOVA RIR 34088500 | AS1530.4 2005 |
| TBA Firefly Intubatt 2 | Masonry, Concrete or Hebel® wall | LVH44 | 450mm x 450mm | -/120/120 | Intubatt & LVH44 overlapping wall aperture | EXOVA RIR 34088500 | AS1530.4 2005 |
| TBA Firefly Intubatt 3 | FR Plasterboard stud wall | LVH44 | 450mm x 450mm | -/120/120 | Intubatt & LVH44 fitted in wall aperture | EXOVA RIR 34088500 | AS1530.4 2005 |
| TBA Firefly Intubatt 4 | FR Plasterboard stud wall | LVH44 | 450mm x 450mm | -/120/120 | Intubatt & LVH44 overlapping wall aperture | EXOVA RIR 34088500 | AS1530.4 2005 |
| TBA Firefly Intubatt 5 | FR Plasterboard stud wall | LVH44 | 450mm x 450mm | -/120/120 | Intubatt & LVH44 fitted in Intubatt lined aperture | EXOVA RIR 34088500 | AS1530.4 2005 |
| TBA Firefly Intubatt 6 | Speedpanel® wall | LVH44 | 450mm x 450mm | -/120/120 | Intubatt & LVH44 overlapping wall aperture | EXOVA RIR 34088500 | AS1530.4 2005 |
| Promat wall 1 | Vermiculux or Promatect® board | LVH44 | 800mm x 800mm | -/120/- | Mounted in board in wall | BRANZ FAR 3404 | AS1530.4 2005 |
| Promat wall 2 | Vermiculux or Promatect® board | LVH44 | 800mm x 800mm | -/120/- | Mounted over aperture | BRANZ FAR 3404 | AS1530.4 2005 |
| Promat slab 3 | Vermiculux or Promatect® board | LVH44 | 800mm x 800mm | -/120/- | Mounted over aperture in slab | BRANZ FAR 3404 | AS1530.4 2005 |
| Promat slab 4 | Vermiculux or Promatect® board | LVH44 | 800mm x 800mm | -/120/- | Mounted in aperture in slab | BRANZ FAR 4068 | AS1530.4 2005 |
| Promat slab 5 | Vermiculux or Promatect® board | LVH44 | 800mm x 800mm | -/120/- | Mounted to underside of slab aperture | BRANZ FAR 4068 | AS1530.4 2005 |
| 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 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 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 |
| Fire Door 1 | E-core fire doors | LVH-Door | 600mm x 300mm, 450mm x 450mm | -120/30 | Mini & Maxi doors up to 3 grilles per leaf | BRANZ FAR 3379 | AS1530.4 1990 |
| Fire Door 2 | Firecore TVC fire doors | LVH-Door | 600mm x 300mm, 450mm x 450mm | -/120/30 | Mini & Maxi doors up to 1 grille per leaf | CSIRO FCO 3064 | AS1530.4 1997 |
| Fire Door 3 | Pyropanel FR, Pyrolite & Pandor fire doors | LVH-Door | 600mm x 600mm, 600mm x 300mm, 450mm x 450mm | Up to -/240/30 | Mini & Maxi doors up to 2 grilles per leaf | EWFA 27704400 | AS1530.4 2005 |

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 LVH44 fire dampers being used to support the certification of other manufacturers' intumescent fire damper products.