

X-RayBarrier™



CS X-RayBarrier unit with specialised door.



Features

The **CS X-RayBarrier** cavity sliding door system is designed for use in isotope areas or where diagnostic x-ray apparatus is used. The unit is supplied with a specialised timber door leaf for a complete system.

Doors must meet minimum barrier requirements as specified by the consulting engineer.

- ▮ Cavity pocket has lead shielding custom fitted to all the jambs.
- ▮ Sliding door is easier to manage than a heavy hinged door.
- ▮ Supplied with aluminium jambs in order to accommodate the lead shielding.
- ▮ Large heavy doors can be fully automated.
- ▮ Modified closing jamb provides an overlap between the wall shielding and the lead lining of the door.
- ▮ Made to specification up to a maximum door size of 2.4sqm (2400 x 1000mm).
- ▮ Suitable for 13mm or 25mm wall linings.
- ▮ Maximum door weight 240kg.

Technical Information

Useful formulas ([online calculator on our website](#))

Dimension Required	Single	Bi-Parting
Trim height ¹	DH + 95	DH + 95
Trim width ¹	(DWx2)+30	(DWx4)+10
Distance between jambs ¹	DW - 31	(DWx2)-42
Distance over jambs (Arch)	DW + 13	(DWx2)+6
Distance over jambs(Grvd)	DW + 31	(DWx2)+20
Distance over jambs(Alum)	DW + 32	(DWx2)+20
Floor to top of head (Arch)	DH + 38.5	DH + 38.5
Floor to top of head (Grvd)	DH + 49.5	DH + 49.5
Floor to top of head (Alum)	DH + 44.5	DH + 44.5
Floor to underside of head ²	DH + 18.5	DH + 18.5
Floor to u/side head(Alum)	DH + 13.5	DH + 13.5

DH = Door Height DW = Door Width. Note: All dimensions are in millimetres.
 1 = Same calculations for Architrave (Arch), Grooved (Grvd) timber & aluminium jambs.
 2 = Same calculations for Architrave (Arch) & Grooved (Grvd) timber jambs.

How to specify (example)

Product:	~ CS X-RayBarrier Cavity Slider
Location:	~ X1
Door leaf dimensions:	~ 2400mm x 1000mm
Door type:	~ CS X-RayBarrier
Single or Bi-Parting:	~ Single
Jamb type & finish:	~ Hi-Impact P/C Matt Black
Framing material & size:	~ 90mm timber framing
Wall lining thickness:	~ 25mm
Handle type:	~ CaviLock CL100 Lever

Full specifications: www.masterspec.co.nz or www.natspec.com.au

Drawings are not to scale. All dimensions in mm.

Options

Incorporate any of the architectural detail options below with the CS X-RayBarrier cavity slider to create a specific look or to provide a unique solution to your design requirements.

Configurations



Single

Jamb Options



AluSealed®



Hi-Impact

Specialised

Ply panels
Door Protrusion

H3 Components
BraceWall®

Operation



Standard



AutoCav®

Suitable Door Types

Must be supplied with a specialised timber door leaf from CS.



CS X-RayBarrier with specialised door leaf.