

BraceWall®

Cavity sliders are all about space. The term 'cavity slider' refers to the cavity pocket (including track + carriages) installed within wall framing that allows a door to **<slide>** inside the wall. The benefit is a solution that leaves clear space on both sides of the wall and opening, encouraging cohesion between spaces.

CS BraceWall® is a cavity slider designed to be used in areas where wall bracing is required. These units combine all the standard benefits of the **CS CavitySliders** range with the added advantage of an integrated bracing panel.

The finished appearance is the same as that of any regular CS Cavity Slider.



BRANZ Appraised
Appraisal No.900 [2015]



↑ 1 - CS BraceWall single cavity slider with timber jambs.

BRACE the Space

CS BraceWall can be incorporated into these and other CS CavitySliders products:



CS TimberFormed



CS FramelessGlass



CS SofStop

Another quality product from:

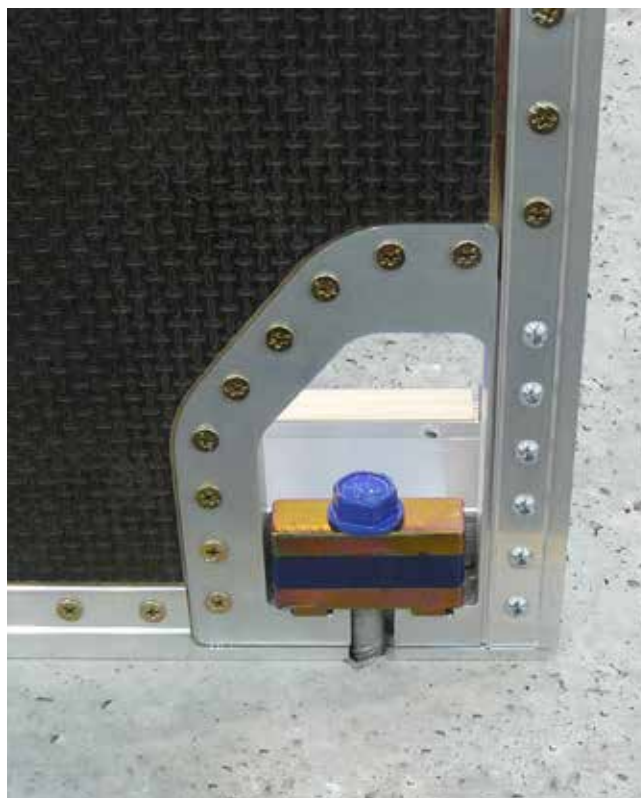
 **FOR DOORS**

The CS BraceWall System has been designed to meet the requirements of the New Zealand Building Code and has been tested and analysed by BRANZ using the P21 method as per NZS 3604:2011 which is listed as an acceptable solution.

The CS BraceWall meets all relevant provisions of the New Zealand Building Code, clause B1 'Structure' and B2 'Durability.' For further information see the BRANZ Appraisal and the Technical Literature.

Design Features & Options

- Improved fixing method for a much quicker installation on site.
- Bracing units obtained per metre width of door are greater than many other bracing systems.
- The entire unit fits within a standard 90mm stud wall.
- Bracing Units are not reliant on wall linings (e.g. Gib Braceline).
- Available with timber or aluminium jambs.
- Available as a Single or Bi-Parting double unit in standard and non-standard sizes (see Door Size, below).
- The plywood used offers more stability due to its material makeup.



↑ 2 - Simple fixing system saves time on site.

Bracing Units

Wind and Earthquake Bracing Units shown below are the total number of units achieved for the cavity slider unit.

For non-standard door widths, use the value in the 1000mm column and multiply by the width required.

Door size

Up to 2982mm high x 1584mm wide with no joins in the ply.

Maximum door size 2982mm high x 3213mm wide using two ply panels. Over height panels can be obtained by special design up to 4 metres.

Timber Floors

Door Height (mm)	Door Width (mm)								multiplier				1001 - 3213
	710		760		810		860		910		1000		
	Wind	E/Q	Wind	E/Q	Wind	E/Q	Wind	E/Q	Wind	E/Q	Wind	E/Q	
1980	85	85	91	91	97	97	103	103	109	109	120	120	Use the 1000mm multiplier column as a basis for calculation e.g. For a 1980 high x 1700mm wide door: 120 BU x 1.7 = 204 BU
2400	85	85	91	91	97	97	103	103	109	109	120	120	
2600	79	79	84	84	90	90	95	95	101	101	111	111	
2800	73	73	78	78	83	83	88	88	94	94	103	103	
2982	69	69	73	73	78	78	83	83	88	88	97	97	

Calculate bracing units online:
csfordoors.co.nz/Technical/Bracing-Calculator

Concrete Floors

Door Height (mm)	Door Width (mm)								multiplier				1001 - 3213
	710		760		810		860		910		1000		
	Wind	E/Q	Wind	E/Q	Wind	E/Q	Wind	E/Q	Wind	E/Q	Wind	E/Q	
1980	114	102	114	114	122	122	129	129	137	137	150	150	Use the 1000mm multiplier column as a basis for calculation e.g. For a 1980 high x 1700mm wide door: 150 BU x 1.7 = 255 BU
2400	114	102	114	114	122	122	129	129	137	137	150	150	
2600	105	94	105	105	112	112	119	119	126	126	138	138	
2800	98	88	98	98	104	104	111	111	117	117	129	129	
2982	92	82	92	92	98	98	104	104	110	110	121	121	

BU = Bracing Units, E/Q = Earthquake

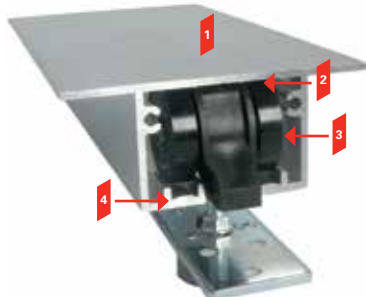
Why specify CS CavitySliders?

Quality

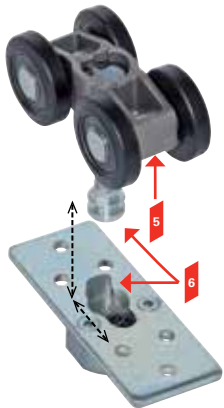
Our aim is to make the best quality cavity sliders. Therefore every component is uniquely designed with this in mind.

Technology & Innovation

Our engineers focus on constantly developing new products & refining existing ones. That's why our products come with a number of unique features. A few exclusive **CS CavitySliders** features (refer to pics on left):



Standard 2-wheel carriage, mounting plate and track*



Standard 4-wheel carriage & mounting plate*

*NZ Patent 533838.
Aust patent 2005 202818 (2011)

Service

The only New Zealand manufacturer of cavity sliders to have NZ covered with 4 branches. All branches offer a free site measure & quote.

We're Local

CS FOR DOORS is 100% New Zealand owned and our products are 100% New Zealand Made.



↑ Come see our door systems at CS FOR DOORS' NZIA Award winning Head Office & Showroom

- 1 Heavy duty one-piece extruded aluminium track.
- 2 Minimal clearance means carriages/wheels cannot jam or jump off the track.
- 3 Large diameter wheels with precision ground bearings for smooth running.
- 4 Radiused track reduces friction and allows dust to be pushed into the gutters so the door always slides smoothly.
- 5 4-wheel carriages are standard on all doors over 90kg. Body made from cast stainless steel for strength & reliability.
- 6 **CarriSnap™** quick release system allows easy removal of the door from the cavity pocket.

Product Range

We have over 50 standard products. If you require a custom solution, we can make to order.

Quality Assured

CS CavitySliders are BRANZ appraised.



Our Guarantee

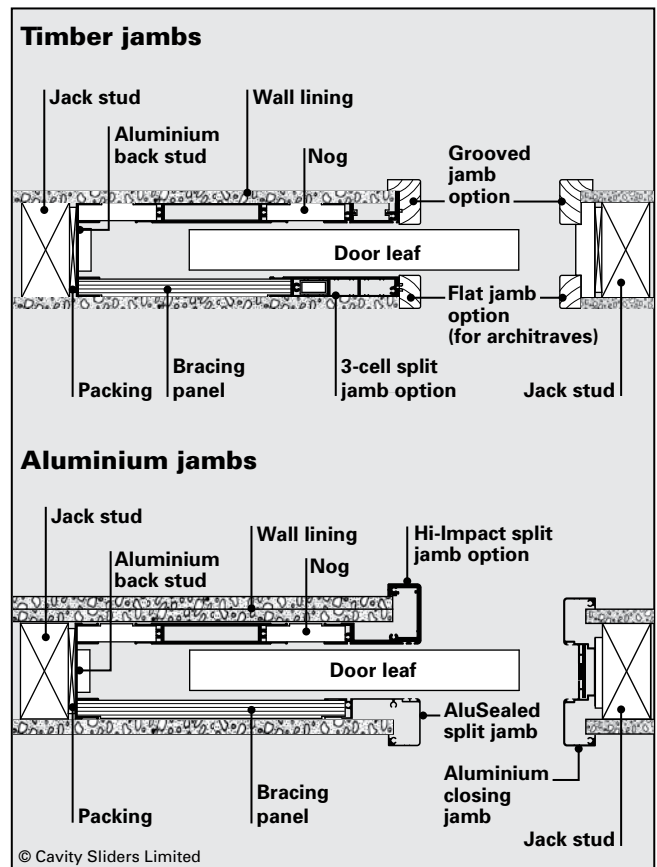
WE GUARANTEE PRODUCT WITH OUR SERIAL CODES FOR UP TO TEN YEARS*

*Guarantee conditions apply. Contact CS FOR DOORS for details.

Check out the full range of products and use our online calculator at:

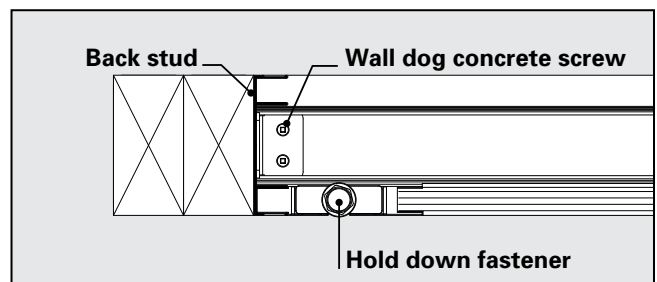
www.csfordoors.co.nz

Plan view (CAD)

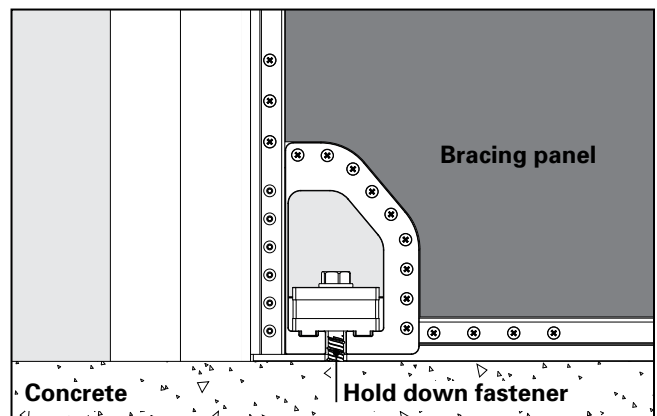


Fixing to Floor

Plan



Elevation



Fixing method is the same for concrete or timber floors (concrete floor shown).

Note: Some detail missing from drawings to increase clarity. Please refer to the installation instructions for further information. Drawings are not to scale.

Technical Information

How to specify (example)

Product:	~ CS BraceWall by CS FOR DOORS
Location:	~ Living
Door leaf dimensions:	~ 2400 x 1200
Door type & finish:	~ Paint quality, flush
Single or Bi-Parting:	~ Single
Jamb type & finish:	~ Pine Flat for architraves
Framing size & material:	~ 90mm
Wall lining thickness:	~ 10mm
Handle type:	~ CaviLock CL200 Passage
Concrete or timber fixing:	~ Concrete
Nominate left or right hand side of pocket for ply:	~ Left

Full specifications are available on www.masterspec.co.nz

Useful formulas (online calculator @ www.csfordoors.co.nz)

Dimension Required	Single	Bi-Parting
Trim height ¹	DH + 84	DH + 84
Trim height (SofStop)	DH + 94	DH + 94
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 underside of 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 both Architrave (Arch) & Grooved (Grvd) timber jambs.

Detail Options

- CornerMeeting™
- Full-Height™
- NoClosingJamb™
- ShadowLine™
- SquareStop™

Check out our detail options
in more detail online:
www.csfordoors.co.nz



↑ 3 - CS BraceWall single unit with SquareStop jambs.

Standard CS BraceWall Features

- 1 **Trim height**
- 2 **Trim width**
- 3 **Bracing Element**
required on units that do not go floor to ceiling (not supplied).
- 4 **Track**
Heavy-duty aluminium.
- 5 **Closing jamb**
Always quoted as standard. Can be omitted if not needed.
- 6 **Ply Panel**
Fitted on side opposite nogs as an integral bracing panel.
- 7 **Jambs**
Available as:
 - Timber flat jambs ready for architraves.
 - Timber grooved (rebated), ready for wall linings.
 - Aluminium grooved jambs pre-finished in an anodised or powder coated colour of choice.
- 8 **Split jambs**
Timber jamb screw fixed to aluminium split jamb or one piece aluminium jamb fitted with wool pile brush seals.
- 9 **Bottom plate fixing**
Simple bolt down method.
- 10 **No visible floor track or guide**
A hidden T-guide at the base of the cavity pocket guides the door through opening.

