

From BCA 2007 - Volume One  
Section C, Specification C1.1-3, Table 3  
Type A Construction: FRL of Building Elements

Building Element	Class of Building – FRL (in minutes)			
	<i>Structural Adequacy/Integrity/Insulation</i>			
	2, 3 or 4 part	5, 7a or 9	6	7B or 8
<b>EXTERNAL WALL</b> (including any column and other building element incorporated therein) or other external building element, where the distance from any fire-source feature to which it is exposed is –				
<i>For loadbearing parts</i>				
< 1.5 m	90/90/90	120/120/120	180/180/180	240/240/240
1.5 – 3m	90/60/60	120/90/60	180/180/120	240/240/120
> 3m	90/60/30	120/60/30	180/120/90	240/180/90
<i>For non-loadbearing parts</i>				
< 1.5m	-/90/90	-/120/120	-/180/180	-/240/240
1.5 – 3m	-/60/60	-/90/90	-/180/120	-/240/180
> 3m	/-/	/-/	/-/	/-/
<b>EXTERNAL COLUMN</b> not incorporated in an external wall, where the distance from any fire-source feature to where it is exposed is:				
< 3m	90/-	120/-	180/-	240/-
> 3m	/-/	/-/	/-/	/-/
<b>Common Walls and Fire Walls</b>	90/90/90	120/120/120	180/180/180	240/240/240
<b>INTERNAL WALLS</b>				
<i>Fire resisting lift and stair shafts</i>				
Loadbearing	90/90/90	120/120/120	180/120/120	240/120/120
Non-Loadbearing	-/90/90	-/120/120	-/120/120	-/120/120
<i>Bounding public corridors, public lobbies and the like</i>				
Loadbearing	90/90/90	120/-	180/-	240/-
Non-Loadbearing	-/60/60	/-/	/-/	/-/
<i>Between or bounding sole-occupancy units</i>				
Loadbearing	90/90/90	120/-	180/-	240/-
Non-Loadbearing	-/60/60	/-/	/-/	/-/
<i>Ventilation pipe, garbage and like shafts not used for the discharge of hot products of combustion</i>				
Loadbearing	90/90/90	120/90/90	180/120/120	240/120/120
Non-Loadbearing	-/90/90	-/90/90	-/120/120	-/120/120
<b>OTHER LOADBEARING INTERNAL WALLS and COLUMNS</b>				
	90/-	120/-	180/-	240/-
<b>Floors</b>	90/90/90	120/120/120	180/180/180	240/240/240
<b>Roofs</b>	90/60/30	120/60/30	180/60/30	240/90/60

Information in this is taken from the BCA 2007. Remedial Building Services have made all efforts to ensure the accuracy of this, however, we accept no responsibility for decisions made based on the information contained within