

The Building Code of Australia (BCA) addresses fire ratings in the same way for all building materials. To ensure a building is adequately fire protected, some elements may be required to meet specified Fire Resistance Levels (FRLs). An FRL is a grading period in minutes for the following criteria:

Structural Adequacy / Integrity / Insulation

Glass is not a structural element, so the first item will appear as a dash with respect to vertical panels.. It should be noted, however, that Integrity includes structural collapse so the panel will automatically achieve the same adequacy as its surrounding structure.

Insulation relates to "Radiated Heat" so refers to the length of time that heat is blocked from passing through the glass blocks. Such protection is not required for all fire rated installations.

Fire rated panels are installed on site. They are not supplied prefabricated. Aluminium frames are compulsory and the blocks are mortared in. Because of the precise installation requirements, openings need to be waterproofed and prepared strictly to the sizes we nominate, The table below sets out details of which blocks are used for different FRLs.

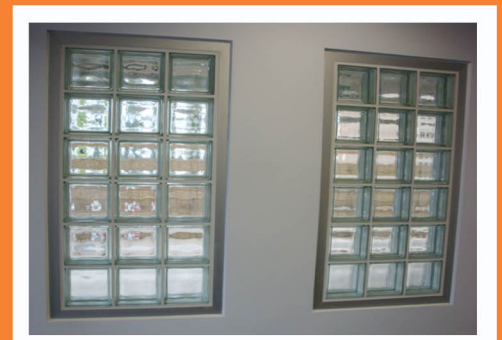
Complying Blocks for Various FRLs

FRL	Model of Block	Dimension of Block	Opening Requirements
- / 60 / -	1908	190x190x80 or 190x90x80 (Seves Basic Range)	200mm per Block + 90mm for Frame +10mm e.g. 300mm, 500mm etc Wall Thickness 100mm
- / 90 / -	198 BSH20	190x190x80	200mm per Block + 90mm for Frame +10mm e.g. 300mm, 500mm etc Wall Thickness 100mm
- / 60 / 30	1930F	190x190x80	200mm per Block + 105mm for Frame + 10mm e.g. 315mm, 515mm etc Wall Thickness 100mm
- / 60 / 60	1960F	190x190x160	200mm per Block + 105mm for Frame + 10mm e.g. 315mm, 515mm etc Wall Thickness 180mm
- / 90 / 90	1990F	190x190x160	200mm per Block + 105mm for Frame + 10mm e.g. 315mm, 515m etc Wall Thickness 180mm

Glass Blocks Queensland can provide all technical information, test results and CSIRO opinions to satisfy your council requirements, and we fully certify our installations. We only use products and materials that have been extensively tested in Europe and subsequently been confirmed to meet Australian Standard 1530.4-1997.

Please contact us to obtain a quotation. You need to provide the FRL required, and the number and approximate size of panels involved. We can install panels throughout Queensland, Northern New South Wales and the Northern Territory.

For more detailed technical information, our contact details are below.



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