

## **FRL (Fire Resistance Level)**

Welcome to Passive Fire Warehouse: Technical Information on FRL.

The following information is intended to provide you with a brief summary and overview of the meaning of Fire Resistance Levels. The content is for your general information only and is subject to change without notice.

*Neither we nor any third parties provide any warranty or guarantee as to the accuracy, timeliness, performance, completeness or suitability of the information and materials found or offered on this page or within our website, [www.passivefirewarehouse.com.au](http://www.passivefirewarehouse.com.au) for any particular purpose. Your use of any information or materials on this page or our website is entirely at your own risk, for which we shall not be liable. It shall be your own responsibility to ensure that any products, services or information available through this technical page or our website meet your building code/standards requirements.*

For further information on Fire Protection, Passive Fire Products and Australian Fire Codes, please visit <http://www.passivefirewarehouse.com.au/page/technical-product-literature>

### **FRL (Fire Resistance Level)**

Sometimes incorrectly referred to as Fire Rating Level

The FRL or Fire Resistance Level is made of of three separate components and is defined in minutes. for example, a 120/120/120 means that each of the three elements maintained a fire resistance of at least 120 minutes. Sometimes, when there is a dash, it means only the other timed elements were tested and the was no requirement for this element - for example: - / 60 / 60.

All Fire Resistance Levels are tested within Australia to AS1530 Part 4.

The three components are:

- A structural Adequacy (The system did not collapse - the main outer frame for example)
- Integrity of 60 minutes (Parts of the system did not deteriorate - no holes in panels/joints for example)
- Insulation of 60 minutes. (Heat transfer from the fire side to the non-fire side. This is 180 degrees above ambient temperature)

For further information or to purchase Active or Passive Fire products online, please [click here](#):