



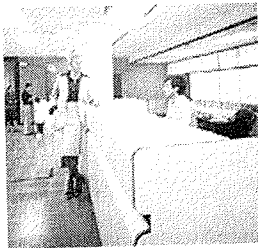
**Australian  
Wood Panels  
Association Incorporated**

## Contact Us

**AWPA Test Centre  
Association (ATCA) Inc** Ph. 07 5520 4215  
PO Box 216 Fax 07 5520 4216  
West Burleigh Qld 4219

International Phone - 61 7 5520 4215  
International Fax - 61 7 5523 4216

[Home](#) | [Product Info](#) | [Testing and Certification Services](#) | [Member Details](#) | [Publications](#) | [Contact Us](#)



Fire retardant treated particleboard is increasingly specified for commercial applications.



Pink core identification for fire retardant treatment.

## Product Range and Properties

» [MDF](#) » [Particleboard](#) » [Moisture Properties](#) » [Thermal Properties](#) » [Biodeterioration](#) » [Fire Behaviour](#)

### Fire Behaviour

Fire Resistance relates to the period for which an element of construction will resist the passage of flame, remain free from collapse and insulate against an excessive temperature rise on the unexposed face. The property relates to a building element and details of its construction, rather than a particular material.

All Wood Panels generally react to fire in the same manner as natural timber. The rate of burning or charring is similar for equivalent density and they do not shatter or delaminate.

All reconstituted wood panels are combustible. As with natural timber, burning will be limited by charring on the surface but shrinkage will tend to cause failure at joints unless proper consideration has been given to the design. Fire hazard indices for Wood Panels are given in Table 13.

The degree of hazard depends on the type and density of the board and any surface treatment. The ranges tabled cover the variations in board types of a particular product. Early Fire Hazard Indices can be improved by additives to raw material, surface treatments and coatings. For further information contact individual manufacturers.

**TABLE 13 FIRE HAZARD INDICES**

Test	Range	Particleboard	FT* Board	MDF
Ignitibility	0-20	14-15	14	14
Spread of Flame	0-10	6-7	0	7-8
Heat Evolved	0-10	6-7	3	6-7
Smoke Developed	0-10	2-3	2	3-4

[Home](#) | [Product Info](#) | [Testing and Certification Services](#) | [Member Details](#) | [Publications](#) | [Contact us](#)  
Health and Safety | [Disclaimer and Privacy Policy](#) | © AWPA 2008 | Website design by [Datasearch Internet Services](#)