

**Comparative Early Fire Hazard Properties to AS1530:3**

| Specie                   | Spread of Flame | Heat evolved | Ignitability | Smoke Developed | Density Kg/M3 | Termite Resistance |
|--------------------------|-----------------|--------------|--------------|-----------------|---------------|--------------------|
| <b>Biowood Composite</b> | <b>0</b>        | <b>1</b>     | <b>13</b>    | <b>7</b>        | <b>825</b>    | <b>yes</b>         |
| <b>Merbau (Kwila)</b>    | <b>0</b>        |              |              | <b>5</b>        | <b>830</b>    | <b>yes</b>         |
| White Mahogany           | 0               |              |              | 3               |               |                    |
| Gum, Spotted             | 3               | 4            | 13           | 3               | 1000          | yes                |
| Box, Brush               | 3               | 4            | 14           | 2               | 900           |                    |
| Ironbark, Grey           | 3               |              |              | 3               | 1100          | yes                |
| Jarraah                  | 3               | 4            | 13           | 2               | 1100          | yes                |
| Box, Grey                | 4               |              |              | 3               |               | yes                |
| Gum, Grey, Mountain      | 5               |              |              | 3               |               |                    |
| Ironbark, Red            | 5               |              |              | 3               | 1050          | yes                |
| Messmate                 | 5               | 5            | 13           | 3               |               |                    |
| Tallowood                | 5               | 5            | 12           | 4               | 1000          | yes                |
| Turpentine               | 6               |              |              | 3               | 950           |                    |
| Stringybark, Silvertop   | 6               |              |              | 3               |               |                    |
| Gum, Red, River          | 6               |              |              | 3               |               |                    |
| Mahogany, Red            | 6               |              |              | 3               |               | yes                |
| Oak, Tulip               | 6               | 5            | 13           | 2               |               |                    |
| Modwood                  | 7               | 5            | 13           | 4               |               | yes                |
| Walnut, Yellow           | 7               | 6            | 14           | 1               |               |                    |
| Walnut, Queensland       | 7               | 7            | 13           | 3               |               |                    |
| Stringybark, Yellow      | 7               |              |              | 3               | 900           | yes                |
| Ramin                    | 7               | 7            | 14           | 3               |               |                    |
| Pine, Radiata            | 7               | 6            | 15           | 3               | 550           |                    |
| Pine, Hoop               | 7               | 6            | 14           | 2               |               |                    |
| Pine, Canada             | 7               | 9            | 14           | 3               |               |                    |
| Karri                    | 7               |              |              | 3               |               |                    |
| Kapur                    | 7               | 6            | 13           | 3               |               |                    |
| Gum, Blue, Sydney        | 7               |              |              | 3               | 850           |                    |
| Blackbutt, New England   | 7               | 5            | 13           | 3               | 900           | yes                |
| Ash, Silvertop           | 7               |              |              | 3               |               |                    |
| Ash, Alpine              | 8               | 7            | 14           | 3               |               |                    |
| Ash, Mountain            | 8               | 7            | 14           | 3               |               |                    |
| Ash, Victorian           | 8               | 7            | 14           | 3               | 650           |                    |
| Bloodwood, Red           | 8               |              |              | 3               |               |                    |
| Blackbean                | 8               | 7            | 13           | 3               |               |                    |
| Cedar, Red, Australian   | 8               | 8            |              | 3               |               |                    |
| Gum, Rose                | 8               |              |              | 3               |               |                    |
| Gum, Shining             | 8               |              |              | 3               |               |                    |
| Pine, Cypress            | 8               | 7            | 13           | 3               |               |                    |
| Oak, Tasmanian           | 8               | 7            | 14           | 3               | 650           |                    |
| Brownbarrel              | 8               |              |              | 3               |               |                    |
| Pine, Slash              | 8               |              |              | 3               |               |                    |

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|----------------------|-----------------|--------------|--------------|-----------------|---------------|--------------------|
| Teak                 | 9               | 10           | 13           | 5               |               |                    |
| Seraya               | 9               |              |              | 4               |               |                    |
| Redwood, California  | 9               | 9            | 14           | 4               |               |                    |
| Pine, Klinki         | 9               | 8            | 15           | 3               |               |                    |
| Meranti              | 9               | 10           | 14           | 4               |               |                    |
| Maple, Pacific       | 9               | 10           | 14           | 4               |               |                    |
| Mahogany, Philippine | 9               | 10           | 14           | 4               |               |                    |
| Lauaan               | 9               | 10           | 14           | 4               |               |                    |
| Hemlock, Western     | 9               |              |              | 3               |               |                    |
| Fir, Hem             | 9               | 9            | 14           | 3               |               |                    |
| Fir, Douglas, Oregon | 9               | 9            | 14           | 3               |               |                    |
| Blackwood            | 9               | 8            | 13           | 3               |               |                    |
| Blackbutt            | 9               | 5            |              | 3               |               | yes                |
| Baltic, Red          | 9               |              |              | 3               |               |                    |
| Baltic, White        | 9               |              |              | 4               |               |                    |
| Cedar, Red, Western  | 10              | 9            | 14           | 4               |               |                    |

Source of Info:

Biowood CSIRO Test Certificate

Modwood [www.modwood.com.au](http://www.modwood.com.au)

Solid Timber TDA & WADIC

Blank spaces mean data not on hand at time of writing of this list (07.03.2011)

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