



**Flakeboard**

## **FLAME SPREAD PERFORMANCE OF WOOD PRODUCTS**

Unless otherwise stated, Flakeboard particleboard and MDF are not certified for a specific flame spread rating, but untreated particleboard and MDF have been tested for flame spread by a number of different manufacturers and the results met the Class III or C rating. The Department of Housing and Urban Development (HUD) in their Manufactured Home Construction and Safety Standards (Section 3280.203) accepts particleboard 3/8 inch and thicker as having a flame spread rating of 76 to 200 for general use in mobile homes.

The American Wood Council (AWC) of the American Forest and Paper Association (AF&PA) has published information in their "Design for Code Acceptance" series (DCA1) relating to Flame Spread Performance of Wood Products. The document can be found at [www.awc.org](http://www.awc.org). Table 1 in that document places particleboard and MDF in the Class III or C rating.

We do not have smoke data specific to every product, but other manufacturers have found typical values of 100-200 for smoke developed. The AF&PA document states that "a smoke-developed index was measured for some of the wood products listed in Tables 1 and 2". None of the products tested exceeded 450, a limiting value commonly used in building code regulations.

Flakeboard particleboard and MDF treated with fire retardant additives *are* certified by Underwriters Laboratories to have a Class A or Class 1 flame spread rating.

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