Boise Cascade is now introducing another fire-resistant I-joist solution to increase residential fire protection. This program combines Boise Cascade engineered wood I-joists and mineral wool insulation to insulate better and suppress residential fires for longer periods of time. These products also solve two important code issues – new energy conservation code provisions for insulation in the floor cavity, and new fire resistance code requirements.

**LONG HISTORY OF SUCCESS IN FIRE SUPPRESSION**

Mineral wool insulation has a long history of success in fire suppression. It's a dependable fire-resistant solution that's proven itself for decades. One 3-1/2” thick batt (R15) protects the joist web and underside of floor sheathing from fire. In addition, mineral wool insulation and I-joists together help protect the whole floor system, not just the joists.

**GREATER “BODY” COULD MEAN BETTER INSULATION**

Mineral wool insulation batts are very stable and tend to have more “body” than glass fiber insulation, so they’re easier to handle, trim and install compared to glass fiber batts. You’ll experience precise cutting, snug fitting and probably better insulating properties – particularly helpful in cutting to fit into odd-shaped cavities. Some manufacturers go even further to add more body, spinning in a small amount of glass fiber to act as a super-bonding agent. This type of mineral wool insulation may also stay together as a unit vs. competitive steel slag-based insulation products, which may crumble or chip off pieces over time.

**2-HOUR FIRE RATING AND 2,000 DEGREE MELTING POINT**

From a heat-resistant standpoint, the melting point of a typical mineral wool insulation is in the area of 2,000 degrees Fahrenheit vs. 1,000 to 1,200 degrees usually found in glass fiber insulations. This is no surprise given the 2-hour fire rating of mineral wool insulation. In addition, mineral wool insulation is water-resistant and doesn’t absorb water, as others can.
2 IMPORTANT NEW CODE ISSUES RESOLVED
Mineral wool insulation and Boise Cascade I-joists together solve two of today’s most important code issues – energy conservation code provisions regarding insulation in the floor cavity, and fire-resistance requirements. Two 3-1/2” thick batts provide R30, required by many jurisdictions in northern climates.

QUICK INSTALLATION
Speed of installation comes from being able to simply drop the batts in between I-joists atop the joist bottom flange. The solidness of mineral wool insulation also means it won’t settle and change shape over time as some other types of insulation may.

EASY SCHEDULING
Installation of both products is easily scheduled because no special training is needed. Virtually anyone can do the installation.

BROAD COMPATIBILITY AND COAST-TO-COAST AVAILABILITY
Mineral wool insulation products are compatible with every series and depth of Boise Cascade AJS® and BCI® joists. And both products are widely available throughout the U.S. and Canada for delivery on relatively short notice.

For more information or to get going with this solution, call 800-232-0788.

Boise Cascade
Engineered Wood Products

Great products are only the beginning®.