

AS THE BUILDING INDUSTRY EMBRACES "GREEN AND SUSTAINABLE" BUILDING PRODUCTS... — AGRIBOARD LEADS THE WAY —

THERMAL TEST DATA ON AGRIBOARD PANELS

DYNAMIC BENEFIT MASS SYSTEM

AGRIBOARD
4-³/₈" inch thick
Dynamic R-value = up to 13.14

AGRIBOARD
7-⁷/₈" inch thick
Dynamic R-value = up to 25.44

-Oregon School of Architecture, Eugene, OR

WHOLE ROOM AIR FILTRATION TESTING

Traditional Construction



Stick built room leaked
air at 126 cfm.

Agriboard Construction



Agriboard Panel room outperformed
stick built by allowing only 18 cfm.

RESULTS: Agriboard's test room was 7 times more effective at controlling air loss than the stick built room. These results demonstrate that an Agriboard home requires less energy and maintains a more uniform temperature from room to room. - Tested by Oak Ridge National Laboratory

TRADITIONAL WOOD OR STEEL FRAMING HAS 20% THERMAL SHORT CIRCUIT



This illustration shows that if all the wall studs were placed together, they would represent 20% of the total wall area. This means that 20% of the total wall area is poorly insulated.

Left: Interior Core of Agriboard Panel

The Agriboard Panel wall system eliminates studs for structural support. The entire center of the panel is reinforced with a compressed straw, environmentally friendly insulation panel, resulting in the elimination of hot and cold spots.

The Agriboard Panel structural system also creates a greater Thermal Mass which helps to regulate large morning-to-night temperature changes. As a result, the Agriboard Panel structure helps maintain the desired temperature, while saving money on heating and cooling costs.