

QUIET HOME™

A QUANTUM ADVANCE IN SOUND CONTROL

— From floor to ceiling and doors to drawers, we've been innovative about reducing sound in your home.

Adera's Quiet Home™ technology has achieved acoustical test results equal to or better than concrete construction built to code using standard metrics. It also results in a reduction of heat loss and off-gas emissions, while increasing the fire safety rating.

There are two forms of noise transmitted within buildings – airborne and impact.

The Building Code regulates airborne sound using the Sound Transmission Coefficient but does not regulate impact sound, the source of most customer noise complaints.

The secret to Adera's Quiet Home™ is the reduction of airborne sound by increased material thickness and gaskets, going above the mandated standards, and the reduction of impact sound by providing air gaps, resiliency, and stiffness in our detailed construction assemblies.

WHAT DOES THIS MEAN FOR YOU?

This increased acoustic performance means that the sound transferred between floors and walls, both airborne and impact, will be decreased, so you can comfortably enjoy your Adera home in peace.



Brilliantly Quiet

For airborne sound, our Quiet Home™ floor system has a higher Sound Transmission Coefficient rating than that of an exposed 8" concrete floor, exceeding current building code (2012 British Columbia Building Code). Adera's Quiet Home™ construction methodology and materials significantly exceed that of Building Code floor systems.

For impact sound, laboratory test results of Adera's new Quiet Home™ wood floor indicated it was within the 'preferred' range of the Normalized Impact Sound Rating system (NISR), while an exposed 8" concrete floor system was only in the 'acceptable' range.

Adera's Quiet Home™ system features Cross Laminated Timber, 25% more gypsum ceiling board, and 143% more insulation than the minimum 2012 Code requirement for wood floors.

Furthermore, a sound attenuation mat under the topping and isolation strips at the sides of the topping have been added. The wall system includes gasket electrical boxes layered with fire-rated putty and foam, and has 100% more gypsum wall board and 100% more insulation than the minimum 2012 Code for wood framed party walls.

All these extra materials get assembled with detailed care and attention. Specialized assembly techniques allow us to block even more sound.

In short, Adera's Quiet Home™ significantly reduces both airborne and impact sound transmission for our homeowners.