



### **Installation Instructions for QW-631**

(See separate installation instructions for QW-620, QW-630, QW-640)

(See separate installation instructions for using QW-631 in the QuietHome Floor/Ceiling Assembly)

QuietWood QR-631 is an internally damped engineered wood product which provides significantly enhanced sound isolation and designed to replace standard subfloor material, including use with wood and metal framing members.

Use QuietWood panels just like any other plywood or MDF product.

The panels can be cut and drilled just like plywood.

No additional labor is required, and install time is the same as standard wood. The only difference is that QuietWood panels may be heavier and thicker (see individual specs for exact data.)

One of the main advantages of QuietWood is that it can be used with standard framing, masonry and concrete construction and still achieve very high sound isolation. Optionally, it can also be used with alternative framing techniques, which can improve the isolation characteristics even further. Please completely read the instructions below before beginning installation and follow all OSHA safety guidelines when installing any Quiet Solution product.

#### **Using QuietWood 631 as the Subfloor**

1. Install trusses or joists at 16", 24", or 36" O.C. depending on structural requirements (they can be 6" to 24" deep). Drawing is at 18" deep.
2. Before the first panel of QuietWood is installed, run a full 3/8" bead of DAP® FIRE STOP® Fire-Rated Silicone Sealant (or similar fire rated product) along the perimeters of the room such that panels squeeze the sealant between panels and the wall. There should be no air gaps in any seams (joints).
3. Attach QuietWood QW-631 (structural internally damped panels) to the top of the joists/trusses with 2" to 2-1/2" screws, 6" O.C. at the edges (along the perimeter) of each board and 12" O.C. in the field (intermediate) along every truss. Alternatively use either ring-shank or screw-shank nails, cement-coated. The QuietWood shall be oriented such that the long dimension is perpendicular to the trusses. Float the QuietWood floor, i.e. the material should be cut such that it does not touch the walls. Be sure that each panel with a tongue is properly aligned with a groove on an adjacent panel and stagger the placement of boards. You may have to use a hammer to lock together the T&G material. Use a piece of 2"x4" as a buffer so you don't flatten out the groove where you're coupling the T&G it into place.
4. As each panel of QuietWood is installed, run a full 3/8" bead of DAP® FIRE STOP® Fire-Rated Silicone Sealant (or similar fire rated product) along each edge of each panel such that subsequent panels squeeze the sealant between panels. There should be no air gaps in any seams (joints).

## **Notes**

*Use normal care and precaution when working with Quiet Solution products:*

- *QuietWood panels may be heavy. Make sure that there are sufficient workers to handle the product, especially when applying to a ceiling.*
- *Lift the panels using OSHA guidelines, e.g. do not bend over and lift using back muscles; instead use leg muscles.*
- *Some QuietWood products contain metal. Be careful when cutting these panels as sparks can lead to ignition of wood dust and chips. Keep fire extinguishers in reach when sawing wood. Use gloves when handling.*
- *QuietWood contains no hazardous materials. Dispose of excess QuietWood in the same responsible manner as you would any building material.*