

Engineered Flooring

Engineered Wood Flooring is flooring that consists of a solid wood veneer attached to a multi-ply substrate. reSAWN TIMBER co.'s engineered wood flooring consists of a wear layer of 4 mm (3/16") thick reclaimed or new wood bonded with a non-toxic adhesive to a 9-layer birch substrate. Upon installation, an engineered floor has the same look and feel as a solid wood floor (see Fig 1.1). The multi-ply construction (see Fig. 1.3) adds stability to the floor and allows for added versatility in applications including below-grade installations. Engineered wood flooring also produces a higher yield from the source material – especially imperative for limited species and sources such as Antique Reclaimed Wood. reSAWN TIMBER co. is able to provide our engineered wood flooring in a variety of widths/lengths to suit the needs of your project.

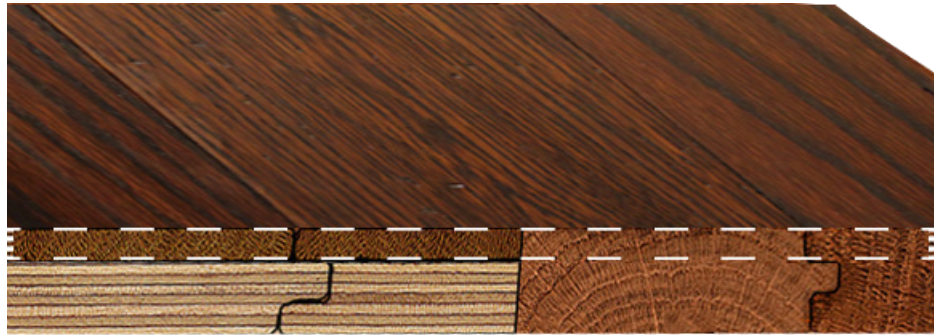


Fig. 1.1 – Same Look & Feel - Once installed, there is no difference between the look and feel of Engineered Wood as compared to Solid Wood.

Versatility & Stability of Engineered Flooring

In reSAWN TIMBER co.'s Engineered Wood floors, each layer of the 9-layer substrate is stacked in a cross-grain configuration (see Fig. 1.3) and bonded together with a non-toxic adhesive under heat & pressure. This cross-grain layering makes for more dimensional stability than in a solid wood. Because of this added stability, engineered floors are less likely to be affected by seasonal changes in temperature and humidity. Engineered flooring is ideal for dry below-grade applications, glue down application over concrete, or over Radiant Heat. While solid wood floors can be used in similar applications above-grade, engineered flooring is the more stable option. Engineered flooring is an ideal choice for applications where moisture is a concern such as basements, kitchens, restaurants, powder rooms, and utility rooms.



Fig. 1.3 – Cross-Grain Configuration – The cross-grain layering of engineered wood is what enhances its stability.

Solid Flooring

Solid Wood Flooring is milled from a single solid piece of hardwood. reSAWN TIMBER co.'s solid wood flooring is milled to a full 3/4" thickness. Solid wood floors are often noted for their ability to be sanded and re-finished over time. Solid 3/4" hardwoods have approximately 1/4" of sand-able material before reaching the tongue and groove construction and exposing nails/staples. However, it is worth noting that with reSAWN TIMBER co.'s Hardwax Oil Finish, your flooring never needs to be re-sanded. Due to the possibility of moisture issues, solid wood flooring is not recommended for below-grade installation (see Fig. 1.2).

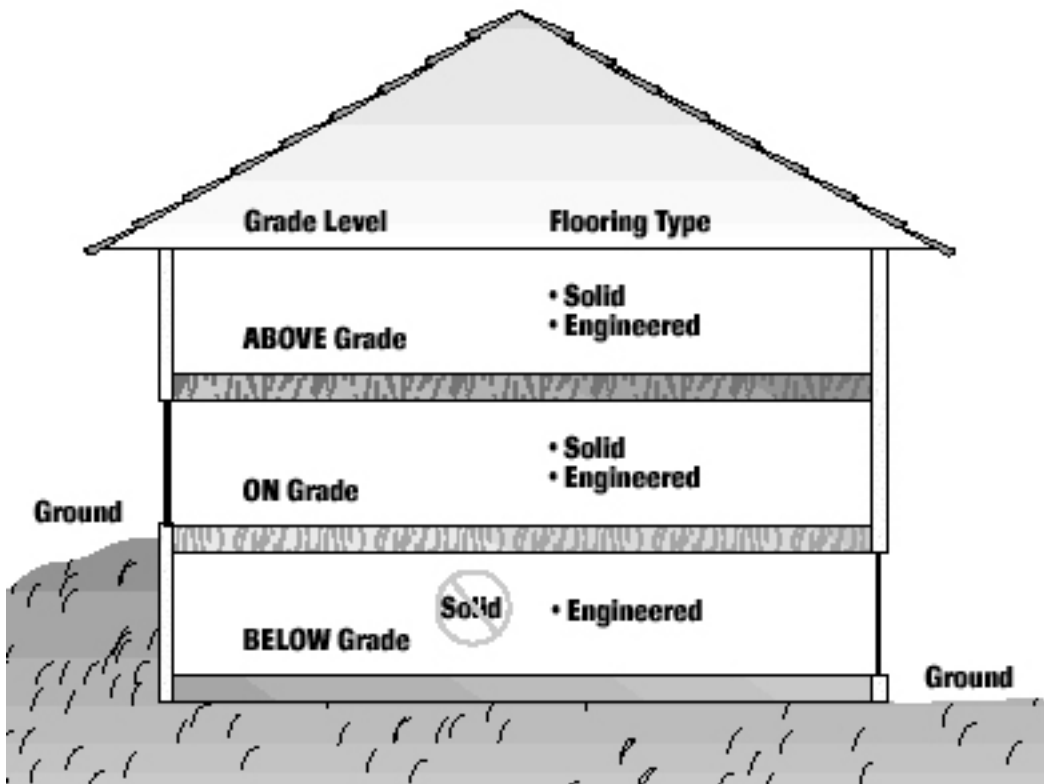


Fig. 1.2 – Grade Level Installation Guidelines – Engineered flooring can be installed above, on or below grade making is extremely versatile. Solid wood flooring is not recommended for installation below grade due to possible issues with moisture content. If soil surrounding a structure is 3 inches or more above the floor of any level, consider that level below grade. This includes walk-out basements. In addition, the surrounding soil should be sloped away from the structure.

Over Radiant Heat

Both reSAWN TIMBER co.'s Solid & Engineered Flooring can be installed over radiant heat. Wood is an excellent conductor and retainer of heat and as such a natural choice for installation over radiant heat flooring systems. Types of wood that are best suited to installation over radiant heat, include those with added dimensional stability, including:

- Certain species known for their inherent dimensional stability such as North American Oak, Reclaimed American Oak
- Engineered wood flooring is more dimensionally stable than solid wood flooring
- Quarter sawn and rift sawn flooring is more dimensionally stable than plain sawn
- Narrow boards (4" or less) expand and contract less than wider width boards

Choosing the Right Specification for your Site

reSAWN TIMBER co. offers solid and engineered wood flooring in a variety of new wood species as well as Antique Reclaimed woods. Our expert sales representatives will guide you through the selection of the reSAWN TIMBER floor that best suits the conditions of your site and your design aesthetics.