

TOOLS YOU WILL NEED

The following tools are the basic tools necessary to install a KingWood/Premium Ipé Deck. You may need other tools depending on the complexity of the project. For example; if you wish to really dress up your deck by plugging exposed screws you would need: a plug cutter, a diameter matching counter sink drill bit, glue (we recommend exterior Titebond II) and a belt sander (always sand with the grain and use 120 grit or finer sand paper).

- **CIRCULAR SAW** (we recommend a minimum of 12 amp power) with sharp carbide tipped hardwood crosscut blade.
- **SAW HORSES** to allow trimming at a safe working height (you may want to set up a miter saw or radial arm saw for safety, speed and accuracy in trimming)
- **REVERSIBLE ELECTRIC DRILL** (we recommend minimum 12 volt power if cordless) with variable speed settings and clutch. You will need drill bits and screws to pre drill holes for occasional face screws.

BEFORE YOU BEGIN

KingWood and Premium Ipé are beautiful decking materials that when installed properly will provide a lifetime of enjoyment. They are very dense hardwoods with amazing strength and durability properties when compared to other wood and composite decking products. KingWood and Premium Ipé are natural products and though our graders and quality control people attempt to ship a 100% usable product you will see pieces on each job which will need to be trimmed.

We adhere to or exceed industry standard maximum 5% off grade pieces per shipment to our customers. Your installer will need to inspect the pieces and may need to trim out the following defects BEFORE installing the piece:

- **ENDS** - each deck board has 1" to 5" of excess length. Our mills do NOT trim to exact 2' multiples.
- **SHAKE** - shake is break in the fibers of the wood which occurs in the tree while it is alive. After kiln drying and processing it is sometimes difficult to see. It appears as

scalloped splits along the edge of a piece or as a 'fish scale' on the face. It causes sharp edges which can give splinters when handled. Both KingWood and Premium Ipé are otherwise very smooth and almost splinter free. Shake is the main defect to trim out.

- **CROOK OR WARP** - Crook is the result of natural stresses in the wood fiber. The Bow Wrench will straighten most of the crook during installation. However, if there is still too much crook, trimming the board into shorter pieces allows utilization of the piece. It is more practical for the installer to determine the trim lengths.
- **KNOTS AND HOLES**...very few knots and holes get by our graders but you may find some. They do not affect the structural integrity of the piece and may be left in or trimmed out for aesthetic reasons.
- **COLOR**....
 - **KingWood** is tan/gold with black striping and accents. But each piece will be different and can run from an entirely light tan piece to one that has significant black striping.
 - **Premium Ipé** will range from a rich russet to a classic reddish-brown hue.
 - We recommend that pieces be laid out before installation on the deck to match the color gradient effect desired. Exposure to the sun will even the colors to a rich reddish brown tan.

STORAGE AND HANDLING

KingWood and Premium Ipé can have a very small amount of shrinkage and expansion occurs over time and is dependent upon your climate conditions. Upon arrival to a job site, KingWood/Premium Ipé should be installed as soon as possible. Prior to installation, KingWood/Premium Ipé should be kept in banded packages, protected from direct sunlight and kept from direct contact with the ground. Due to the natural properties of KingWood/Premium Ipé, exposed untreated material will begin a color

transformation that will lead to uneven color if some boards are left exposed to weather and others are not.

BUTT JOINTS

Butt joints should have 1 screw predrilled and centered as far from the end of the board as possible but still allow penetration into the joist. This should be done after the deck has been installed by using the particular fastener that you choose to use when installing.

FASCIA

Fascia boards (or any other 'face to face' application) should be predrilled and face screwed 1" from the board edge and through 1/4" or thicker lathe backing every 16" when installed against any flat surface to provide air space to the back of board.

REPLACING DECK BOARDS

KingWood/Premium Ipé are meant to last a lifetime. It is best to use care when installing the material so that replacement is not necessary. Please refer to the installation instructions of the particular fastener that you choose to use when installing. However; in the event a board must be replaced use the following instructions:

Have the replacement board (s) ready. Select straight boards and cut to length. Cut the old board out by sawing through the piece on either side of the fasteners an inch or two away from the joist. Remove screws and fasteners, clean tops of joists. Replace the fasteners on the joists along one side. Slide the new board into place and make sure that the fasteners are in the groove on one edge. Rotate board up on the non fastener side enough to place the fastener in the groove and directly over the joist. Slowly drop board down until the fasteners are starting engage slot/joist. When all fasteners are aligned properly; step on the high side to force the board down and into the slot. Depending on the length of the board it may take two people to do this evenly. If you are not successful with this method you can pre drill and face screw one edge and use the fasteners on the other edge.

IMPORTANT TIPS

NEVER install any KingWood/Premium Ipé product flat against roofs, concrete or in any application which traps moisture behind the piece. This creates a moisture gradient and almost always creates a heat gradient as well. This condition creates stresses which WILL cause 'cupping', 'splits', 'warping' and other types of damage. ALWAYS use KingWood/Premium Ipé products as a system per design intent. Remember when installing KingWood/Premium Ipé boards to allow for proper gapping per the instructions of the particular fastening system you are using for installation. All screws should also be stainless steel to match the quality and longevity of KingWood/Premium Ipé products. MINIMUM SPACE between product and ground or concrete is 16", installed on wooden joist material with adequate ventilation and drainage under the deck.

SEALER

We recommend that cut ends of KingWood/Premium Ipé are sealed with AnchorSeal to prevent splitting at the ends. KingWood will go through a color transformation from its natural state to a deeper red tone and eventually silver. If left to weather, Premium Ipé will turn a beautiful silver gray over a period of time with no further finishing required. If the customer wants to preserve natural color there are many different products on the market. Superdeck® Exotic Hardwood Finish & Sealer can be applied to KingWood/Premium Ipé. Follow the manufacturers recommended procedure for applying and for subsequent treatment. If the customer elects to treat the decking material it should be treated on all sides and ends evenly to maintain the equal moisture condition set by kiln drying and conditioning.

SAFETY RECOMMENDATIONS

While we have not heard of any allergic reactions to KingWood/Premium Ipé materials, it is always recommended when working with hardwood lumber to wear safety glasses and a dust mask. Wood splinters should be removed immediately to prevent infection. All standard safety precautions should be used when cutting, shaping or drilling the product.

SPAN RATINGS

KingWood and Premium Ipé span ratings are certified by Stroh Engineering; Minnesota license number 14269. Contact your Weekes sales representative for in depth load and deflection tables for KingWood/Premium Ipé solid wood decking.

	16" o/c	24" o/c
1x4	<input checked="" type="checkbox"/>	
1x6	<input checked="" type="checkbox"/>	
5/4x6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2x4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2x6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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KingWood & Premium Ipé

Installation Guidelines