

T I M B E R H O L D I N G S
I N T L .

IRON WOODS[®]
I P E D E C K I N G

RESIDENTIAL DECKING INSTALLATION GUIDE

Iron Woods™ Ipe decking is a dense wood with exceptional durability and naturally beautiful grain patterns. To maximize the performance and beauty of the incredible wood please read this guide before you begin construction.

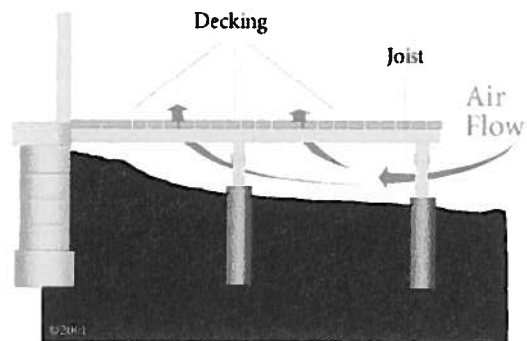
HANDLING and CUTTING

- IRON WOODS™ Ipe decking is supplied as partially dried lumber and is for outdoor use only.
- Store out of direct sunlight and allow the wood to acclimate and stabilize to installation area humidity before installation.
- Adequate ventilation of the deck is essential for long-term stability and to minimize cupping. Proper air ventilation allows air to flow in from outside the deck area, under the joists and up through the gaps between the deck boards.
- Allow a 1/8" gap between deck boards for drainage and airflow. End to end butt joints are installed without a gap.
- Decking may shrink approximately 1/16" on 4" wide and 1/8" on 6" wide decking. In hot or dry areas you may experience additional shrinkage. Kiln dried decking can shrink or expand 1/16" in dry or moist areas.
- Decking may develop surface checks and larger dimensional lumber sizes generally have surface checks.
- Carbide tipped saw blades and high quality drills are recommended for smooth cuts.
- Some air dried boards may show marks from sticker or breather strips. Generally these marks and water marks blend in when the sealer is applied. If still visible they will dissipate during the next year as the deck fades.

END SEALING

Seal all ends immediately after cutting with "Anchorseal" clear wax end sealer (available from your Iron Woods dealer) in order to reduce end checking.

DECK VENTILATION



ALLOWABLE SPANS

<u>Nominal Size</u>	<u>100psf</u>
1x4 or 1x6	24"
5/4x6	32"
2x4 or 2x6	48"

These spans are engineered for minimal deflection of the deck surface.

FASTENING

To install IRON WOODS™, pre-drill a pilot hole and countersink and then fasten with high quality stainless steel trim head screws, (available from your Iron Woods dealer)

- Pre drill to the screw shank diameter and a countersink to avoid splitting, even when using “self-drilling” screws.
- Use a minimum 2-1/4” long screws on net 3/4” or 1” decking
- Galvanized/coated screws or steel/iron products generally cause black staining.
- Use two screws to attach decking to each joist.
- Proper fastener length is typically the wood thickness times 2.5
- Screw and Plug alternative method: Pre-drill and counter bore for the screw and lpe 3/8” diameter plug no more than 1/4” deep. Glue the plugs with marine grade epoxy and sand flush.

FINISHING

Seal IRON WOODS lpe decking immediately after installation to reduce the potential for surface checking. If installing over a prolonged period or during hot weather sealing after each phase is recommended.

- **To maintain a rich walnut color:** use a transparent penetrating oil based sealer with UV inhibitors in a trans-oxide pigmented tint and reapply annually or as needed.

Consider brands similar to:

- *Penofin*; 800-736-6346
www.penofin.com.
- *Messmers UV*; 800-731-3669
www.messmers.com.
- *Cabot's Timber Oil*; 800-877-8246
www.cabotstain.com.
- *Superdeck Transparent*; 800-825-5382
www.superdeck.com.
- **If a natural weathering to silver gray is desired:** use a clear oil based sealer or products similar to:
 - *Olympic Clear Wood Preservative*
800-441-9695, www.olympic.com.
- Before application of sealers, brush and clean the surface to remove dirt, dust, and sticker residue.
- Due to the density, brush on thin coats or a sticky surface may result.
- Periodic cleaning will enhance the appearance of your deck.
- To return silver gray wood to the original color, use a “wood brightener”. Careful power washing and/or sanding can help to remove the grayed wood.
- Other types of oil and water based coatings have been used. However, fully test samples from several boards to determine their compatibility with Iron Woods™.
- **Sealing after First Coat™:** If you want the silvery grey appearance, simply let the wood weather into its silvery gray color. If you want to maintain a rich walnut color, follow the instructions above and apply the UV sealer before the deck color is faded. Any handling marks in the First Coat will blend in when the sealer is applied.

To the best of our knowledge this information is accurate; however, due to the variance of products grown in nature, CECCO Trading cannot assume any liability or suitability for the use of these products and it is the sole responsibility of the installer to adequately test and determine the final applications. Follow all manufacturers recommended application instructions when using proprietary products. 030510