



# EXTERIOR DECKING REFERENCE MANUAL

(Sheets Arranged by Ascending Price per Square Foot)

		Square foot
Evergrain Redwood	1 x 6	\$6.40
Evergrain Cedar	1 X 6	\$5.45
Evergrain Grey	1 X 6	\$5.95
Evergrain (Weatherwood)	1 x 6	\$6.60
Iron Woods (random lengths only/requires additional labor to install)	1 x 4	\$6.40
Iron Woods (requires additional labor to install)	1 x 6	\$7.22
Meranti	5/4 x 6	\$6.35
Procell (Brownstone, Slate Gray)	5/4 x 6	\$7.50
Procell (Ivory, Clay, White)	5/4 x 6	\$8.05
Timber Tech (Cedar, Redwood and Grey reversible)	5/4 x 6	\$8.15
Timber Tech (Tropical Tech, Walnut, Rosewood) with fastening clips	5/4 x 6	\$9.50
Timber Tech® (Tongue and Groove, Brushed and Wood Grain)	5/4 x 6	\$9.55
Timber Tech® (Square Edge Brushed)	2 x 6	\$8.15
Trex® Contours (Madeira, Winchester Grey, and Saddle)	1 x 5	\$4.50
Trex® Brasilia (Cayenne and Burnished Amber)	5/4 x 6	\$7.45
Treated #1 Southern Yellow Pine	2 x 6	\$2.25
Treated Premium Southern Yellow Pine	5/4 x 6	\$2.50
Western Red Cedar “C” Select (S4S – random lengths only)	5/4 x 6	\$6.99

\*\*\*\*PRICES ARE CONSERVATIVE AND SUBJECT TO CHANGE WITHOUT NOTICE\*\*\*\*

## CA Treated Southern Yellow Pine (#1) - 2 x 6

<b>Average Cost per Square Foot:</b>	\$ 2.25 (Decking Surface Only)
<b>Brief Description:</b>	The highest grade of pressure treated decking material available.
<b>Relative Durability of Product:</b>	Needs maintenance
<b>Recommended Joist Spacing:</b>	24" maximum on center if decking is installed 90 degrees to joists, otherwise 16" on center.
<b>Recommended Fastener:</b>	Stainless steel (preferred) or hot dipped galvanized 2-1/2" in length. Nails with a length of 2-1/4" may be used if the shank is ringed or spiral. To prevent wood from splitting, use thin shanked nails with blunt points. Electroplated fasteners are not recommended as they can rust and disintegrate. Also, screws that are penetrating a minimum of 1" may be used. Deck adhesive may also be used in conjunction with mechanical fasteners.
<b>Recommended Fastener Pattern:</b>	Three fasteners per joist.
<b>Recommended Gapping:</b>	8d nail between boards.
<b>Recommended Site Storage:</b>	Keep dry and out of the sun to avoid having the product start to warp and twist.
<b>Mill Moisture Content / Drying Process:</b>	Dried after treatment.
<b>Recommended Finishing:</b>	A water repellent treatment should be applied immediately and re-applied per the repellent manufacturer's recommendations. . Coating all sides of the product (if possible) is ideal.
<b>Color if Unfinished After Period:</b>	Driftwood Gray.
<b>Recommended Cleaning Procedure:</b>	Periodic cleaning with water and trisodium Phosphate (TSP).
<b>Other Avail., Non-Stock Dimensions:</b>	Full line of dimensional lumber available.
<b>Additional Recommendations:</b>	
<b>Warranty:</b>	Lifetime against rot and decay.

**Other Unique Characteristics:**

**NOTE - Ventilation is Critical:**

In order to reduce moisture buildup from beneath a deck surface, there must be proper cross ventilation. A minimum of 12” high, unobstructed, continuous air space along at least three sides of the deck surface must be provided. The use of lattice panel is permitted as long as the lattice openings are at least as wide as the lattice slats.

The information provided above is designed to aid homeowners and professionals in the comparison of decking products. Information contained above includes a combination of manufacturer’s recommendations, industry standards, and general opinions. Hamilton Building Supply Company is not responsible for any errors or omissions, which might be contained herein. Product attributes are subject to change. Please check directly with the manufacturer for the most current product information.

## CA Treated Southern Yellow Pine (Premium) - 5/4 x 6

<b>Average Cost per Square Foot:</b>	\$ 2.50 (Decking Surface Only)
<b>Brief Description:</b>	The highest grade of pressure treated 5/4 decking material available.
<b>Relative Durability of Product:</b>	Needs maintenance
<b>Recommended Joist Spacing:</b>	16" maximum on center if decking is installed 90 degrees to joists, otherwise 12" on center.
<b>Recommended Fastener:</b>	Stainless steel (preferred) or hot dipped galvanized 2-1/2" in length. Nails with a length of 2-1/4" may be used if the shank is ringed or spiral. To prevent wood from splitting, use thin shanked nails with blunt points. Electroplated fasteners are not recommended as they can rust and disintegrate. As an alternative, screws penetrating a minimum of 1" may be used. Deck adhesive may also be used in conjunction with mechanical fasteners.
<b>Recommended Fastener Pattern:</b>	Three fasteners per joist.
<b>Recommended Gapping:</b>	8d nail between boards.
<b>Recommended Site Storage:</b>	Keep dry and out of the sun to avoid having the product start to warp and twist.
<b>Mill Moisture Content / Drying Process:</b>	Dried after treatment.
<b>Recommended Finishing:</b>	A water repellent treatment should be applied immediately and re-applied per the repellent manufacturer's recommendations. Coating all sides of the product (if possible) is ideal.
<b>Color if unfinished After Period:</b>	Driftwood Gray.
<b>Recommended Cleaning Procedure:</b>	Periodic cleaning with water and trisodium Phosphate (TSP).
<b>Other Avail., Non-Stock Dimensions:</b>	Full line of dimensional lumber available.
<b>Additional Recommendations:</b>	
<b>Warranty:</b>	Lifetime against rot and decay.

**Other Unique Characteristics:**

**NOTE - Ventilation is Critical:**

In order to reduce moisture buildup from beneath a deck surface, there must be proper cross ventilation. A minimum of 12” high, unobstructed, continuous air space along at least three sides of the deck surface must be provided. The use of lattice panel is permitted as long as the lattice openings are at least as wide as the lattice slats.

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## Knotty Incense Cedar (STK) – 5/4 x 6

<b>Average Cost per Square Foot:</b>	\$ 3.50 (Decking Surface Only)
<b>Brief Description:</b>	Light in color, select knotty grade, very few variations, Air-dried.
<b>Relative Durability of Product:</b>	Some resistance to decay.
<b>Recommended Joist Spacing:</b>	16” if decking is installed 90 degrees to joists, otherwise 12” on center.
<b>Recommended Fastener:</b>	Stainless steel (preferred) or hot dipped galvanized 2-1/2” in length. Nails with a length of 2-1/4” may be used if the shank is ringed or spiral. To prevent wood from splitting, use thin shanked nails with blunt points. Electroplated fasteners are not recommended as they can rust and disintegrate. As an alternative, screws penetrating a minimum of 1” may be used.
<b>Recommended Fastener Pattern:</b>	Two fasteners per joist.
<b>Recommended Gapping:</b>	1/8” on end to end butt joints and the thickness of an 8d nail between boards.
<b>Recommended Site Storage:</b>	Keep dry and out of the sun in order to avoid having the product start to turn color.
<b>Mill Moisture Content / Drying Process:</b>	Air Dried.
<b>Recommended Finishing:</b>	Although cedar is naturally durable, a surface coat is recommended to protect the wood and extend its service life. When selecting a finish coat, make sure it contains water repellent, fungicide/mildewcide, and protection against ultra-violet (UV) light; penetrating oil-based products are recommended, particularly those containing pigments. Use of varnishes or other types of film-forming coatings are not recommended for cedar decks. Coating all sides of the product (if possible) is ideal.
<b>Color if Unfinished After Period:</b>	Driftwood gray, but will go through black stage.
<b>Recommended Cleaning Procedure:</b>	Periodic cleaning with water and trisodium phosphate (TSP).
<b>Other Avail., Non-Stock Dimensions:</b>	Full line of dimensional lumber available.

**Additional Recommendations:**

Cedar must dry thoroughly from time to time in order to perform optimally. Plan drainage in decking surfaces by spacing boards 1/8" end to end and move planters, benches, and other deck accessories from time to time to allow the deck under them to dry thoroughly.

**Warranty:**

None.

**Other Unique Characteristics:**

- Matching rail components are readily available
- We stock a wide variety of smooth and rough sawn trim boards
- Extremely stable (Cedar is the most stable of softwood species)
- Easy to cut, saw, nail, screw, and transport
- One of the lightest commercial softwoods

**NOTE - Ventilation is Critical:**

In order to reduce moisture buildup from beneath a deck surface, there must be proper cross ventilation. A minimum of 12" high, unobstructed, continuous air space along at least three sides of the deck surface must be provided. The use of lattice panel is permitted as long as the lattice openings are at least as wide as the lattice slats.

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## Meranti – 5/4 x 6

<b>Average Cost per Square Foot:</b>	\$ 6.35 (Decking Surface Only)
<b>Brief Description:</b>	An extremely strong, knot-free, kiln-dried species of genus shorea.
<b>Relative Durability of Product:</b>	Naturally resistant to rot, insects, and decay with an interlocking grain that disallows separation between annual growth rings. Used in boat building.
<b>Recommended Joist Spacing:</b>	24” if decking is installed 90 degrees to joists, otherwise 16” on center. Closer spacing will increase the strength and stability of the deck.
<b>Recommended Fastener:</b>	Stainless steel nails or deck screws 2” to 2-1/4” in length
<b>Recommended Fastener Pattern:</b>	Use 3 nails or screws on 6 inch wide material with a minimum penetration of 1-1/2 “ into framing. Brass or stainless fasteners wear best. Fasteners should be driven at an angle of about 10 degrees rather than in a straight, vertical line.
<b>Recommended Gapping:</b>	Full 1/4” on 5/4 x 6 material. Butt boards tightly end to end.
<b>Recommended Site Storage:</b>	Keep dry and covered.
<b>Mill Moisture Content / Drying Process:</b>	15% or less. Kiln dried.
<b>Recommended Finishing:</b>	An initial application of a Penetrating Oil Finish (e.g. Penofin) finish on all surfaces of the boards (including the ends) is strongly suggested.
<b>Color if unfinished After Period:</b>	Lustrous Silver-Gray.
<b>Recommended Cleaning Procedure:</b>	Light power wash and/or deck cleaner solution.
<b>Other Avail., Non-Stock Dimensions:</b>	1 x 4 through 1 x 12 5/4 x 4 through 5/4 x 12 2 x 2 through 2 x 12 4 x 4 – 8’ 2 x 2 – 36”, 48”, and Turned Spindles 2 x 4 Molded Handrails

**Additional Recommendations:**

Drill pilot holes at the ends of boards to minimize the potential of small splits.

Use of deck clips or other mechanical fasteners ARE NOT recommended for this product.

**Warranty:**

Yes. Available on request.

**Other Unique Characteristics:**

- Exceptional paint and stain holding characteristics.
- Will not shrink appreciably after installation
- Material machines easily – carbide or other special saw blades are not necessary.

**NOTE - Ventilation is Critical:**

In order to reduce moisture buildup from beneath a deck surface, there must be proper cross ventilation. A minimum of 18” high, unobstructed, continuous air space along at least three sides of the deck surface must be provided. The use of lattice panel is permitted as long as the lattice openings are at least as wide as the lattice slats.

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## Trex® – 5/4 x 6

<b>Average Cost per Square Foot:</b>	\$ 5.45 (Decking Surface Only) - (Reversible) \$ 7.00 (Decking Surface Only) – (Brasilia)
<b>Brief Description:</b>	Man-made, wood-polymer lumber made from re-claimed plastic and waste wood.
<b>Relative Durability of Product:</b>	Extremely durable. Will not split, crack or check. Resistant to termites, ants, rot, and decay. Resistant to UV damage.
<b>Recommended Joist Spacing:</b>	16” (Residentially), 12” (Commercially) 12” when used on the diagonal.
<b>Recommended Fastener:</b>	Nails or screws. Screws or spiral shank nails will increase holding power.
<b>Recommended Fastener Pattern:</b>	Two per board at every joist. Glue may be used in addition to, but not in lieu of, mechanical fasteners.
<b>Recommended Gapping:</b>	Width to width 3/8” in winter and 1/4” in summer. End to end 3/16” per 16’ length of material. <b>End-to-End Gap Rule of Thumb:</b> For 16’ boards and smaller, allow 1/16” end gap for every 20°F difference between installation temperature and the highest temperature expected during the year. For 20’ boards, add an additional 1/16” to the rule of thumb calculated above.
<b>Recommended Site Storage:</b>	Store flat with supports at each end and every 2’ apart. Keep covered if stored for long periods in sunny areas to prevent premature uneven weathering.
<b>Mill Moisture Content / Drying Process:</b>	N/A
<b>Recommended Finishing:</b>	None required. May be painted immediately with latex paint. Allow product to complete the fading process before applying a transparent or semi-transparent stain.
<b>Color if Unfinished After Period:</b>	Madiera Red, Winchester Grey, Woodland Brown and Saddle remain virtually unchanged with exposure to sunlight and water.
<b>Recommended Cleaning Procedure:</b>	Most common stains can be removed with household cleaners. Use a degreasing agent for grease and oil

stains. For mildew, use a deck-washing product with sodium hypochlorite. Use phosphoric cleaners for rust and dirt stains.

**Other Avail., Non-Stock Dimensions:** 1x6, 1x8, 1x12, 2x2, 2x4, 2x6, 2x8, 2x10, 4x4, Landscape Edging (1/2 x 4, 1x6, 4x6)

**Additional Recommendations:** Use carbide tipped blades and bits. Blades with fewer teeth (18-24 for 7-1/4" circular saw blade) work best. Do not use colored chalk lines other than white. Do not sand Trex products – sanding will change the appearance.

**Warranty:** 25-year manufacturer's warranty.

**Color Availability:** Winchester Grey (Dark hue of Grey).  
Woodland Brown (Dark hue of Brown).  
Madiera Red (Dark hue of Red)  
Saddle (Medium hue of Brown)  
Cayenne  
Burnished Amber

**Other Unique Characteristics:**

- Splinter free (Excellent product for use around pools).
- Provides excellent traction, even when wet.
- Product may have minor size variations up to 1/8" in thickness and width.
- Not recommended for load bearing structural members such as columns, beams, joists, and stringers.
- Material can be routed, sanded, and planed.
- Most screws will cause Trex lumber to "mushroom" up over the screw head. Simply tap down with a hammer to hide the fastener or pre-drill to reduce the "mushroom" effect.
- Matching or White railing systems are available.
- Trex lumber can be "bent" – see the product and installation guide.
- Trex rail systems have railing assembly tools available.

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## Iron Woods® Ipe – 1 x 4 and 1 x 6

<b>Average Cost per Square Foot:</b>	\$ 6.40 (Decking Surface Only) – 1x4 \$ 6.50 (Decking Surface Only) – 1x6
<b>Brief Description:</b>	An exterior hardwood building material that is naturally durable and free from toxic preservatives. Supplied as “clear” material, Ipe is five times harder than pine, cedar, or redwood and is extremely resistant to wear..
<b>Relative Durability of Product:</b>	Carries the highest insect and decay resistance rating by the U.S. Forest Products lab.
<b>Recommended Joist Spacing:</b>	20” maximum on center if decking is installed 90 degrees to joists, otherwise 16” on center.
<b>Recommended Fastener:</b>	Use stainless steel screws because of their long life expectancy and because they will not cause staining of the Ipe around the screw head as galvanized fasteners will. Use screws countersunk flush with the deck surface.
<b>Recommended Fastener Pattern:</b>	Two fasteners per joist. Pilot holes with a countersink for the head must be made – otherwise the head will not pull in.
<b>Recommended Gapping:</b>	1/16” to 1/8”. Shrinkage will occur as the wood dries. The average amount of shrinkage is 1/8”.
<b>Recommended Site Storage:</b>	Store under cover and out of direct sunlight – either in an unheated garage or under a tarp. Provide adequate ventilation if a tarp is used.
<b>Mill Moisture Content / Drying Process:</b>	Approx.17% moisture content.
<b>Recommended Finishing:</b>	Prior to first exposure to sunlight, a wood stabilizing agent such as Penofin will minimize surface checking. <u>Both faces and edges should be properly coated.</u> All board ends that have been crosscut should be end-sealed using a paraffin-based endsealer
<b>Color if Unfinished After Period:</b>	Even-toned light silver-gray.
<b>Recommended Cleaning Procedure:</b>	Power washing at 2500-3000 PSI

**Other Avail., Non-Stock Dimensions:** Several non-stock dimensions are available on a special order basis and require minimal lead time, including 5/4 decking material.

**Additional Recommendations:** Carbide bits, blades and implements should be used.

**Warranty:** 25 Year

**Other Unique Characteristics:**

- Naturally fire resistant – Class A-1 rating
- Also known as Pau Lope (Other Brand Name)
- Both structural and decorative
- Available in framing, decking and railing dimensions
- Proven for decades in the most extreme outdoor conditions
- Naturally termite resistant
- Very minimal splitting and checking.
- Very hard – Unlike softwoods, Iron Woods resist scratches and splintering
- Used on the Atlantic City Boardwalk for over 24 years.

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## Evergrain® by Epoch – 1 x 6

<b>Average Cost per Square Foot:</b>	\$6.40(Redwood, Cedar, Grey Decking Surface Only) \$6.60(Weathered Wood Decking Surface Only)
<b>Brief Description:</b>	Man made, wood-polymer from premium wood pulp and vinyl with wood grain pressed to increase product stability and density
<b>Relative Durability of Product:</b>	Extremely durable Will not scale, crack check. resistant to termites, bees, ants, rot or decay. Grain is resistive to wear. Colors will slightly weather.
<b>Recommended Joist Spacing:</b>	16” Residentially, 12” Commercially , 12” Diagonally
<b>Recommended Fasteners:</b>	Screws, nails, pneumatic fasteners or concealed fastener systems can be used. Pre-drilling of end fasteners is recommended. Trapease screws are not recommended without pre-drilling. The use of finish screws will provide a cleaner job. Decking will swell over fastener head and a gentle hammer down will hide head. The use of nailers or doubled joists where butt joints occur reduces end splitting.
<b>Recommended Fastener Pattern:</b>	Two fasteners per joist. Fasteners must be spaced at a minimum of ¾” from the end of the board and 1” from the edge of the board.
<b>Recommended Gapping:</b>	1/8” – Side to Side. End to end - 1/16” for every 20 degree difference between installed temperature and maximum expected temperature.
<b>Mill Moisture Content / Drying Process:</b>	Not applicable.
<b>Recommended Site Storage:</b>	Store unapplied material on a rigid, smooth, flat surface.
<b>Recommended Cleaning Procedure:</b>	Mild stains may be removed with common deck wash containing sodium hypochlorite (Armor All, Olympic, etc). Tougher ground in stains clean with products containing phosphoric acid. Oil or grease scrub gently with degreaser as soon as possible. <u>Sanding the surface to remove stains is not recommended</u> – this tends to eliminate the woodgrain texture and will damage the lasting beauty of the finish. Power washing can be done at a pressure not exceeding 1,000 psi.
<b>Other Avail., Non-Stock Dimensions:</b>	2 x 4 – 16’ 2 x 6 – 16’ and 20’

4-3/8" x 4-3/8" x 104" Post Sleeve (Slips over std 4x4)  
4-3/8" Post Cap  
4-3/8" Post Skirt  
2 x 2 – 144"

**Additional Recommendations:** Use blades with two teeth per inch. Carbide tips work best.

**Warranty:** Ten Year Limited

**Other Unique Characteristics:**

- Woodgrain simulates real wood.
- Matching rail system available.
- 1x product measures 15/16" in thickness.
- BOCA/SBCCI and ICBO approved

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## TimberTech® – 5/4 x 6 Plank

<b>Average Cost per Square Foot:</b>	\$ 6.05 (Decking Surface Only)- Cedar & Grey Reversible Rosewood \$ 7.00 (Decking Surface Only)- Tropical Tech, Walnut, \$ 8.15 (Decking Surface Only)- Brushed Woodgrain
<b>Brief Description:</b>	Proprietary material technology that chemically cross-links wood sawdust and polyethylene into a durable wood composite. Product is 60% wood and 40% plastic resins.
<b>Relative Durability of Product:</b>	Extremely durable. Resistant to damage caused by termites, carpenter ants and marine bores. Absorbs virtually no moisture.
<b>Recommended Joist Spacing:</b>	Residentially - 16” on center for perpendicular installations and 11” on center when used on a diagonal. Commercially – 12” on center for perpendicular installations and 8” on center when used on a diagonal.
<b>Recommended Fastener:</b>	Hot-dipped galvanized, or stainless steel #8 x 2-1/2” screws are highly recommended 3/4” from outer edge. Pre-drilling not required (except in extremely cold conditions).
<b>Recommended Fastener Pattern:</b>	Two mechanical fasteners at each joist.
<b>Recommended Gapping:</b>	Up to 1/8” side to allow for expansion and contraction. No spacing is required end to end.
<b>Recommended Site Storage:</b>	Store flat and cover with a non-translucent material
<b>Mill Moisture Content / Drying Process:</b>	Not applicable.
<b>Recommended Finishing:</b>	None required. May be painted or stained after 8-10 weeks. Quality oil-base paints or solid color stains are suggested for best results.
<b>Color if unfinished After Period:</b>	5-7% Color Fade. Natural fades to Driftwood Grey in approximately 8-10 weeks

**Recommended Cleaning Procedure:** Use conventional deck cleaners for routine cleaning and common stains. Cleaners containing phosphoric acid work best for rust stains, ground in dirt and grime. For heavy duty stains, such as oil or grease, a degreasing agent works well on fresh stains. If grease stains have already set, try lightly sanding the stain with a fine sandpaper (the sanded area will fade to gray in time).

**Avail., Non-Stock Dimensions:** **5/4X6 AND 2X6** Plank  
Timber Tecxh Railing Systems

**Additional Recommendations:** Product should not be cantilevered past frame.

Timber Tech's brushed surface is directional in manner. A shaped notch has been added to one long edge of each plank. When installing plank, this marked edge must be laid to the same side (always to right or left as viewed from the ends of the planks) for the entire installation. By doing this, the direction of the brushing will be the same for each board ensuring a consistently colored surface board to board.

**Warranty:** 25 Year Limited

**Other Unique Characteristics:**

- Splinter free (Excellent product for use around pools)
- Provides excellent traction, even when wet
- Class "B" fire rating – It burns similarly to wood
- Very rigid material
- Timber Tech is in the process of securing BOCA approval. A certified engineer has corroborated all appropriate material specifications. This engineering certification will suffice when code approval is needed. It is available upon request.

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## TimberTech® – T&G

<b>Average Cost per Square Foot:</b>	\$ 8.05 Grey, Cedar, Redwood (Decking Surface Only)
<b>Brief Description:</b>	Proprietary material technology that chemically cross-links wood sawdust and polyethylene into a durable wood composite. Product is 60% wood and 40% plastic resins.
<b>Relative Durability of Product:</b>	Extremely durable. Resistant to damage caused by termites, carpenter ants and marine bores. Absorbs virtually no moisture.
<b>Recommended Joist Spacing:</b>	Residentially: (24", Perpendicular to joist), (20" at 30 degrees) (17" at 45 degrees), Commercially: (16" Perpendicular to joist) (14" at 30 Degrees) (11" at 45 degrees)
<b>Recommended Fastener:</b>	Hot-dipped galvanized, or stainless steel #8x2-1/2" screws are highly recommended. Unless cold, pre-drilling is generally not necessary with deck or self-tapping screws.
<b>Recommended Fastener Pattern:</b>	One mechanical fastener at each joist.
<b>Recommended Gapping:</b>	Using hand pressure only slip each plank together and fasten gap will automatically set. End to end can be tight.
<b>Recommended Site Storage:</b>	Store flat and cover with a non-translucent material
<b>Mill Moisture Content / Drying Process:</b>	Not applicable.
<b>Recommended Finishing:</b>	None required. May be painted or stained after 8-10 weeks. Quality oil-base paints or solid color stains are suggested for best results.
<b>Color if unfinished After Period:</b>	Natural fades to Driftwood Gray in approx. 8-10 weeks. Colors fade 5-7% over the life of the product.
<b>Recommended Cleaning Procedure:</b>	Use conventional deck cleaners for routine cleaning and common stains. Cleaners containing phosphoric acid work best for rust stains, ground in dirt and grime. For heavy duty stains, such as oil or grease, a degreasing agent works well on fresh stains. If grease stains have already set, try lightly sanding the stain with a fine sandpaper (the sanded area will fade to gray in time).

**Avail., Non-Stock Dimensions:** We can order 12', 16' and 20' lengths as well as the starter

**Additional Recommendations:** When decking runs parallel to house, install boards from the outside of the deck towards the house so that any ripped planks will be less visible.

Staggering seams is recommended for best appearance.

The deck should slope 1/2" for every 8' away from the house to aide water run-off.

**Warranty:** 25 Year limited

**Other Unique Characteristics:**

- Splinter free (Excellent product for use around pools)
- Provides excellent traction, even when wet
- Class "B" fire rating – It burns similarly to wood
- Deck face is a full, true 6".
- Tongue notched every 9" to allow for drainage
- Very rigid material
- Timber Tech is in the process of securing BOCA approval. A certified engineer has corroborated all appropriate material specifications. This engineering certification will suffice when code approval is needed. It is available upon request.

**NOTE - Ventilation is Critical:** In order to reduce moisture buildup from beneath a deck surface, there must be proper cross ventilation. A minimum of 12" high, unobstructed, continuous air space along at least three sides of the deck surface must be provided. The use of lattice panel is permitted as long as the lattice openings are at least as wide as the lattice slats.

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## Western Red Cedar (“C” Select) – 5/4 x 6

<b>Average Cost per Square Foot:</b>	\$ 7.10 (Decking Surface Only)
<b>Brief Description:</b>	One grade below “A” & Better, “C” & Better is a “pull-out” from the milling process of “A” & Better. Generally, the knots are occasional, small, and tight.
<b>Relative Durability of Product:</b>	Resistant to decay.
<b>Recommended Joist Spacing:</b>	16” if decking is installed 90 degrees to joists, otherwise 12” on center.
<b>Recommended Fastener:</b>	Stainless steel (preferred) or hot dipped galvanized 2-1/2” in length. Nails with a length of 2-1/4” may be used if the shank is ringed or spiral. To prevent wood from splitting, use thin shanked nails with blunt points. Electroplated fasteners are not recommended as they can rust and disintegrate. As an alternative, screws penetrating a minimum of 1” may be used.
<b>Recommended Fastener Pattern:</b>	Two fasteners per joist.
<b>Recommended Gapping:</b>	1/8” on end to end butt joints and the thickness of an 8d nail between boards.
<b>Recommended Site Storage:</b>	Keep dry and out of the sun in order to avoid having the product start to turn color.
<b>Mill Moisture Content / Drying Process:</b>	Green. No specific moisture content.
<b>Recommended Finishing:</b>	Although cedar is naturally durable, a surface coat is recommended to protect the wood and extend its service life. When selecting a finish coat, make sure it contains water repellent, fungicide/mildewcide, and protection against ultra-violet (UV) light; penetrating oil-based products are recommended, particularly those containing pigments. Use of varnishes or other types of film-forming coatings are not recommended for cedar decks.
<b>Color if unfinished After Period:</b>	Driftwood gray, but will go through black stage.
<b>Recommended Cleaning Procedure:</b>	Periodic cleaning with water and trisodium phosphate (TSP).
<b>Other Avail., Non-Stock Dimensions:</b>	Full line of dimensional lumber available

**Additional Recommendations:**

Cedar must dry thoroughly from time to time in order to perform optimally. Plan drainage in decking surfaces by spacing boards 1/8" end to end and move planters, benches, and other deck accessories from time to time to allow the deck under them to dry thoroughly.

**Warranty:**

None.

**Other Unique Characteristics:**

- Matching rail components are readily available
- We stock a wide variety of smooth and rough sawn trim boards
- Extremely stable (Cedar is the most stable of softwood species)
- Easy to cut, saw, nail, screw, and transport
- One of the lightest commercial softwoods

**NOTE - Ventilation is Critical:**

In order to reduce moisture buildup from beneath a deck surface, there must be proper cross ventilation. A minimum of 12" high, unobstructed, continuous air space along at least three sides of the deck surface must be provided. The use of lattice panel is permitted as long as the lattice openings are at least as wide as the lattice slats.

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## Western Red Cedar (“A” & Better) – 5/4 x 4

<b>Average Cost per Square Foot:</b>	\$ 7.45 (Decking Surface Only)
<b>Brief Description:</b>	Best grade of cedar available.
<b>Relative Durability of Product:</b>	Resistant to decay.
<b>Recommended Joist Spacing:</b>	16” if decking is installed 90 degrees to joists, otherwise 12” on center.
<b>Recommended Fastener:</b>	Stainless steel (preferred) or hot dipped galvanized 2-1/2” in length. Nails with a length of 2-1/4” may be used if the shank is ringed or spiral. To prevent wood from splitting, use thin shanked nails with blunt points. Electroplated fasteners are not recommended as they can rust and disintegrate. As an alternative, screws penetrating a minimum of 1” may be used.
<b>Recommended Fastener Pattern:</b>	Two fasteners per joist.
<b>Recommended Gapping:</b>	1/8” on end to end butt joints and the thickness of an 8d nail between boards.
<b>Recommended Site Storage:</b>	Keep dry and out of the sun in order to avoid having the product start to turn color.
<b>Mill Moisture Content / Drying Process:</b>	Kiln dried. 9-14% moisture content.
<b>Recommended Finishing:</b>	Although cedar is naturally durable, a surface coat is recommended to protect the wood and extend its service life. When selecting a finish coat, make sure it contains water repellent, fungicide/mildewcide, and protection against ultra-violet (UV) light; penetrating oil-based products are recommended, particularly those containing pigments. Use of varnishes or other types of film-forming coatings are not recommended for cedar decks.
<b>Color if unfinished After Period:</b>	Driftwood gray, but will go through black stage.
<b>Recommended Cleaning Procedure:</b>	Periodic cleaning with water and trisodium phosphate (TSP).
<b>Other Avail., Non-Stock Dimensions:</b>	Full line of dimensional lumber available.

**Additional Recommendations:**

Cedar must dry thoroughly from time to time in order to perform optimally. Plan drainage in decking surfaces by spacing boards 1/8" end to end and move planters, benches, and other deck accessories from time to time to allow the deck under them to dry thoroughly.

**Warranty:**

None.

**Other Unique Characteristics:**

- Matching rail components are readily available
- We stock a wide variety of smooth and rough sawn trim boards
- Extremely stable (Cedar is the most stable of softwood species)
- Easy to cut, saw, nail, screw, and transport
- One of the lightest commercial softwoods

**NOTE - Ventilation is Critical:**

In order to reduce moisture buildup from beneath a deck surface, there must be proper cross ventilation. A minimum of 12" high, unobstructed, continuous air space along at least three sides of the deck surface must be provided. The use of lattice panel is permitted as long as the lattice openings are at least as wide as the lattice slats.

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## Western Red Cedar (“C” & Better) – 2x4

<b>Average Cost per Square Foot:</b>	\$ 9.35 (Decking Surface Only)
<b>Brief Description:</b>	One grade below “A” & Better, “C” & Better is a “pull-out” from the milling process of “A” & Better. Generally, the knots are occasional, small, and tight.
<b>Relative Durability of Product:</b>	Very resistant to decay.
<b>Recommended Joist Spacing:</b>	24” if decking is installed 90 degrees to joists, otherwise 16” on center.
<b>Recommended Fastener:</b>	Stainless steel (preferred) or hot dipped galvanized 2-1/2” in length. Nails with a length of 2-1/4” may be used if the shank is ringed or spiral. To prevent wood from splitting, use thin shanked nails with blunt points. Electroplated fasteners are not recommended as they can rust and disintegrate. As an alternative, screws penetrating a minimum of 1” may be used.
<b>Recommended Fastener Pattern:</b>	Two fasteners per joist.
<b>Recommended Gapping:</b>	1/8” on end to end butt joints and the thickness of an 8d nail between boards.
<b>Recommended Site Storage:</b>	Keep dry and out of the sun in order to avoid having the product start to turn color.
<b>Mill Moisture Content / Drying Process:</b>	Green. No specific moisture content.
<b>Recommended Finishing:</b>	Although cedar is naturally durable, a surface coat is recommended to protect the wood and extend its service life. When selecting a finish coat, make sure it contains water repellent, fungicide/mildewcide, and protection against ultra-violet (UV) light; penetrating oil-based products are recommended, particularly those containing pigments. Use of varnishes or other types of film-forming coatings are not recommended for cedar decks.
<b>Color if unfinished After Period:</b>	Driftwood gray, but will go through black stage.
<b>Recommended Cleaning Procedure:</b>	Periodic cleaning with water and trisodium phosphate (TSP).
<b>Other Avail., Non-Stock Dimensions:</b>	Full line of dimensional lumber available.

**Additional Recommendations:**

Cedar must dry thoroughly from time to time in order to perform optimally. Plan drainage in decking surfaces by spacing boards 1/8" end to end and move planters, benches, and other deck accessories from time to time to allow the deck under them to dry thoroughly.

**Warranty:**

None.

**Other Unique Characteristics:**

- Matching rail components are readily available
- We stock a wide variety of smooth and rough sawn trim boards
- Extremely stable (Cedar is the most stable of softwood species)
- Easy to cut, saw, nail, screw, and transport
- One of the lightest commercial softwoods

**NOTE - Ventilation is Critical:**

In order to reduce moisture buildup from beneath a deck surface, there must be proper cross ventilation. A minimum of 12" high, unobstructed, continuous air space along at least three sides of the deck surface must be provided. The use of lattice panel is permitted as long as the lattice openings are at least as wide as the lattice slats.

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## Meridian® – 1 x 4 and 5/4 x 6

<b>Average Cost per Square Foot:</b>	\$ 5.50 (Decking Surface Only) – 1x4 \$ 7.80 (Decking Surface Only) – 5/4 x6
<b>Brief Description:</b>	Meridian Decking is the first decking product to combine the beauty of durable hardwood with the convenience and protection of pre-applied stain. Meridian decking has a factory applied initial coat of Penofin Penetrating Oil Stain for exotic hardwoods with 99% UV protection.
<b>Relative Durability of Product:</b>	Wood species is <i>Shorea Maxwelliana</i> common name – Yellow Balau or selegan batu. Ranked High (II) durability and listed as Resistane – Very Resistant to decay..
<b>Recommended Joist Spacing:</b>	16” on center for both 1x4 and 5/4 x 6
<b>Recommended Fastener:</b>	Pre-drill using a 5/32” drill bit. Use #7 x 2-1/4” Swazee Finish Screw #305 Stainless Steel (or equal).
<b>Recommended Fastener Pattern:</b>	Two fasteners per joist. To avoid splitting, place each screw approximately 1-1/8” from edge of 1x4 decking or 1-1/4” to 1-1/2” from the edge of 5/4 x 6 decking.
<b>Recommended Gapping:</b>	Meridian Decking is a kiln dried product. Therefore, a minimum space of 1/8” between deck boards will suffice.
<b>Recommended Site Storage:</b>	Place on blocking off the ground and cover with a tarp.
<b>Mill Moisture Content / Drying Process:</b>	Decking and accessories - 18% moisture content. Posts and caps – 25% or less. All Kiln dried.
<b>Recommended Finishing:</b>	Penofin for Exotic Hardwoods is pre-applied and should be used to seal all cuts and for touch-up at time of deck construction. Expect to re-apply a coat of this stain every 2 years (after power-washing) to maintain the rich brown color of your deck. Surface checking on rails and accessories can be refreshed with a Penofin wet sanding using 220 grit sandpaper.

<b>Color if Left to Weather:</b>	Meridian decking will weather naturally at first to a light Golden brown, then to silver-gray.
<b>Recommended Cleaning Procedure:</b>	Power washing at 2500-3000 PSI
<b>Other Avail., Non-Stock Dimensions:</b>	Complete line of accessories
<b>Additional Recommendations:</b>	Carbide bits, blades and implements should be used. All cuts should be end sealed using a product such as Anchor Seal.
brown to laid out	As this decking will range in color from a light, golden dark brown, it is recommended that the deck boards be and mixed for aesthetic appeal before fastening.
<b>Warranty:</b>	

**Other Unique Characteristics:**

- Stain is pre-applied to all 6 sides of product and ends are waxed
- Product is kiln-dried
- Grade is “C&Better PHND” (Pin holes, no defects)

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# EXTERIOR DECK RAILING REFERENCE MANUAL

		Linear ft.
Cedar turned baluster with newel post	Based on 8' section	\$28.50
Cedar turned baluster without newel post	Based on 8' section	\$24.50
Cedar square baluster without newel post	Based on 8' section	\$16.50
Cedar square baluster with newel post	Based on 8' section	\$20.25
Evergrain shaped handrail with newel post	Based on 12' section	\$39.50
Evergrain 2x4 handrail with newel post	Based on 8' section	\$30.00
Fiberrail Mission wht square baluster & post	Based on 6' section	\$32.30
Fiberrail Provincial wht square baluster& post	Based on 6' section	\$34.80
Fiberrail Provincial wht turned col baluster & post	Based on 6' section	\$42.35
HB&G Permarail square baluster & post	Based on 8' section	\$43.50
HB&G Permarail square baluster no post	Based on 8' section	\$32.10
HB&G Savannah turned baluster& post	Based on 8' section	\$66.00
HB&G Savannah turned baluster no post	Based on 8' section	\$55.10
HB&G Spanish Cedar top square baluster & post	Based on 8' section	\$43.00
Ironwood square baluster with newel post	Based on 8' section	\$39.80
Premier white rail with newel post	Based on 6' section	\$43.50
Premier color rail with newel post	Based on 6' section	\$48.55
Timber Tech Ornamental square cedar, gray, whitesand w post	Based on 6' section	\$36.00
Timber Tech Ornamental turned cedar, gray,and whitesand w post	Based on 6' section	\$49.50
Timber Tech black square Radiance w post	Based on 8' section	\$51.60
Timber Tech Ornamental whitesand w post	Based on 6' section	\$38.25
Timber Tech white square Radiance w post	Based on 6' section	\$47.00
Trex Brasilia w newel post (boxed 36 inch)	Based on 72" section	\$33.75
Trex Artisan with newel post (boxed 36 inch)	Based on 72" section	\$30.00
Trex Designer w newel post (boxed 36 inch)	Based on 72" section	\$40.00

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