



WARRANTY \* INSTALLATION \* CARE

## Solid Butcher Block Countertops



Island Tops and Backsplashes

**LIMITED RESIDENTIAL CONSUMER WARRANTY**  
*Butcher Block Counter Tops, Island Tops and Backsplashes*

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE AND PROVINCE TO PROVINCE.

THIS LIMITED WARRANTY CONTAINS ARBITRATION AND CLASS ACTION WAIVER PROVISIONS (SEE BELOW IN SECTION 9). THIS LIMITED WARRANTY ALSO CONTAINS LIMITATIONS OF LIABILITY (SEE BELOW IN SECTION 8).

WE LIMIT THE DURATION AND REMEDIES OF ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY (SEE SECTION 2).

SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

OUR RESPONSIBILITY FOR DEFECTIVE GOODS IS LIMITED TO THE STORE CREDIT AS DESCRIBED BELOW IN THIS LIMITED WARRANTY STATEMENT.

*[warranty information continues on following page]*

## **1. WHO MAY USE THIS WARRANTY?**

Lumber Liquidators, Inc. (“we,” “us,” and “our”) extends this limited warranty only to the consumer who originally purchased the product (“you”) and only for residential use. It does not extend to any subsequent owner or other transferee of the product. **THIS LIMITED WARRANTY IS NOT TRANSFERABLE. THE LIMITED WARRANTY EXTENDS ONLY TO THE ORIGINAL END-CONSUMER.** For purposes of this limited warranty, a “residential use” is a product installation at a single-family home, apartment unit, townhouse, or other place where people live and, notwithstanding the forgoing list, excludes: (a) multi-family housing common areas; (b) any real estate property that is used for business or commercial activities; (c) any location used in whole or in part for business or commercial purposes; and (d) any location where foot traffic exceeds normal, residential foot traffic. We have the sole right to make the determination of whether an application is a residential use or another kind of use. For purposes of such determination, we may need to visit the location that relates to the warranty claim for inspection and use. This limited warranty does not apply to light commercial or heavy commercial use.

## **2. WHAT IS THE PERIOD OF COVERAGE?**

Subject to the requirements listed in Section 5 below, this limited warranty starts on the date of your purchase and lasts for the time period set forth in the chart below for your specific product (the “Warranty Period”):

<b>Product Identification</b>	<b>Warranty Duration</b>
Counter tops	90 days
Island tops	90 days
Backsplashes	90 days

If, for any reason, we repair or replace the product, the Warranty Period is not extended. We may change the availability and duration of this limited warranty at our discretion, but any changes will not be retroactive.

## **3. WHAT DOES THIS WARRANTY COVER?**

During the Warranty Period (defined above) and subject to the complete terms of this limited warranty, this limited warranty covers the following product aspects from defects in materials and workmanship of the purchased product (the “product”):

- *Product Structure.* The product will be free of manufactured defects in materials and workmanship. e.g. delaminating staves, joint separation, or any other damages because of faulty fabrication. Minor imperfections that can be addressed on site by use of putty, filler etc. are not covered by this warranty.

#### **4. WHAT DOES THIS WARRANTY NOT COVER?**

This limited warranty does not cover any defects or damages due to: (a) failure to strictly follow the Installation and Care Requirements (defined and discussed below) regardless of the installer; (b) transportation; (c) storage; (d) improper use; (e) modifications; (f) unauthorized repair; or (g) external causes such as accidents, abuse, or other actions or events beyond our reasonable control. In addition, this limited warranty does not cover any defects or damages due to the following:

- *Excessive Moisture.* Non-structural damages caused by moisture (such as mildew and mold) are excluded. In addition, moisture intrusions from concrete hydrostatic pressure, flooding, or plumbing leaks, along with high levels of alkalinity, can affect surrounding structure, walls, subfloor, fixtures, furniture, underlayment, moldings, trims, subfloor heating elements, or anything that is not the product. Damage from such conditions, including to the floor and subfloor, is not covered under this limited warranty.

*Storage and Handling.* The product warranty will not cover product damage due to improper storing, handling, alteration, or installation. *Any damage due to transportation must be reported immediately.*

- *Site and Environmental Conditions.* Defects or damages resulting from: site conditions (such as extreme heat, exposure to sand); indentations and scratches (caused by kitchen utensils, appliances, etc.); improper maintenance and accidents; misuse and abuse. These items are not covered under this limited warranty.
- *Finishes.* This limited warranty covers the structural integrity of the product untreated / sealed. Exposing the untreated product or parts of product to moisture, food, organic oils etc is not covered by this warranty.
- *Exterior Use.* This limited warranty does not cover exterior use of the product.
- *Non-countertop Installations.* This limited warranty does not cover use of the products for installations on ceilings or other usages for purposes other than counter or island tops.
- *Visible Defects.* As discussed further below in Section 5.C., products installed with visible defects are not covered under this limited warranty. Accordingly, before installation, you and the installer should examine each product to ensure it is satisfactory.
- *Color and Shade Variations.* New or replacement product may not always match samples, printed color photography (including websites and catalogs), existing flooring or other products (such as cabinets, stair railings, trim and moldings). These variations should be expected. Inspect product before installation. Claims for color and shade variation will not be accepted after the product is installed.
- *Fading.* This limited warranty does not cover fading from exposure to sunlight or discoloration from day to day use.



- *Odd Lots.* An odd lot is a product that is discounted because it did not pass our rigorous inspection process and is not covered by this limited warranty.
- *Third-Party Purchases.* This limited warranty does not cover any purchases other than those made directly from Lumber Liquidators in store, online, or by phone.
- *Outdoor Installation.* Outdoor and partial outdoor installations of the product void this limited warranty and are not covered.
- *Removal and Replacement.* This limited warranty does not cover the cost of the removal or replacement of Countertops, cabinets, built-in appliances, sinks or other fixtures, installed in conjunction with the product..
- *Improper Installation and Maintenance.* This limited warranty does not cover any dissatisfaction or damage due to improper installation or maintenance. This includes any damages caused by any installation (regardless of the source of the installation advice) that conflicts with the applicable industry installation standards and product installation instructions—for example, damage caused by sub-surface, and jobsite environmental deficiencies, improper transportation, acclimation and storage.

## **5. HOW DO I MAINTAIN THIS WARRANTY DURING THE WARRANTY PERIOD?**

To maintain this limited warranty during the Warranty Period, you are obligated to meet all of the following requirements for your use, installation, and maintenance of the product (

- Follow the Pre-Installation Requirements.* Prior to installing the, product, you or the installer must determine that the job-site environment and the sub-surfaces (including subfloor substrate) meet or exceed applicable industry standards.
- Comply with All Laws.* In your installation, maintenance, and use of the product you must comply with all laws and regulations, including, without limitation, all applicable environmental and building codes, regulations and laws.
- Inspect All Products for Visible Defects.* Products installed with visible defects are not covered under this limited warranty. Accordingly, before installation, you and the installer should examine each product to ensure it is satisfactory. If any products are unacceptable for any reason, it is up to you to determine to use them, hide them in areas like closets, trim off the imperfection, or not install them at all. You should plan on being present during your installation to ensure that all required procedures are completed and products with visible defects are not installed. It is important to inspect the product and to frequently step back to observe the “whole picture” before installation is completed. *If quality issues are suspected before or during installation immediately contact the store where your product was purchased or call us at 1-800-366-4204.*

## **6. WHAT ARE YOUR REMEDIES UNDER THIS WARRANTY?**

With respect to any defective product during the Warranty Period, we will provide a Lumber Liquidators store credit in the amount of the purchase price paid for the defective portion of the product (excluding any installation costs and labor). A store credit is the sole remedy under this warranty and can be used for store product purchases only. Provided, however, we reserve the right, in our sole discretion, to repair or replace such product (or the defective part) free of charge in lieu of a store credit. We will also pay for shipping and handling fees to return the repaired or replacement product to you if we elect to repair or replace the defective product.

There is no guarantee that the same or a similar product will be available at the time a store credit is issued or redeemed.

We reserve the right to investigate, assess, and validate reported claims by, among other things, requesting samples from you for technical analysis and performing an inspection of the product and installation location.

## **7. HOW DO YOU OBTAIN WARRANTY SERVICE?**

To file a warranty claim during the Warranty Period, you may:

- A. Visit the store where you purchased your product;
- B. Call us at 1-800-366-4204; or
- C. Email via the “contact us” link at [www.lflflooring.com](http://www.lflflooring.com).

Claims must be submitted within the Warranty Period. No warranty claim will be serviced without contacting us through one of the methods listed above and providing accurate and complete information in a timely manner.

## **8. WHAT ARE THE LIMITATIONS OF LIABILITY?**

**THE REMEDIES DESCRIBED ABOVE IN SECTION 6 ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND OUR ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. NOTWITHSTANDING ANY OTHER PROVISION OR TERM, OUR LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT OR DEFECTIVE PORTION THEREOF.**

**UNDER NO CIRCUMSTANCES SHALL WE BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT. WITHOUT LIMITING THE FORGOING**

**SENTENCE, LOSSES, DAMAGES OR EXPENSES RELATING TO ANYTHING OTHER THAN THE PRODUCT ITSELF ARE NOT COVERED, INCLUDING, WITHOUT LIMITATION, MISSED TIME FROM WORK, HOTEL STAYS, STORAGE FEES, KENNEL COSTS FOR PETS, REMOVAL OF DEFECTIVE FLOORING, INSTALLATION OF REPLACEMENT PRODUCT, OR REMOVAL OR REPLACEMENT OF ITEMS BUILT ON TOP OF ANY PRODUCT (FOR EXAMPLE, COUNTERTOPS, CABINETS, BUILT-IN APPLIANCES).**

**SOME STATES AND JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.**

## **9. TERMS OF DISPUTE RESOLUTION**

**NO JOINT OR CLASS ACTIONS:** Neither you nor Lumber Liquidators shall be entitled to join or consolidate claims in arbitration by or against other customers of Lumber Liquidators with respect to other accounts, bring mass, class action, or consolidated claims in arbitration or a court of competent jurisdiction, or arbitrate or litigate any claim as a representative or individual of a class or in a private attorney general capacity. The arbitrator may not consolidate more than one person's claims and may not otherwise preside over any form of a representative or class proceeding.

**ARBITRATION:** The following informal dispute resolution procedure is available to you if you believe that we have not performed our obligations under this limited warranty. You must use this informal procedure before pursuing any legal remedy in the courts.

Lumber Liquidators and you agree to attempt to resolve any disputes amicably. If, after thirty (30) days we are unable to do so, then you and Lumber Liquidators each agree that any claim or controversy of any sort relating to our agreement, the Products or these limited warranty terms shall be determined by arbitration in the nearest U.S. city to the Lumber Liquidators store where you purchased the products, before one arbitrator. At the option of the first to commence an arbitration, the arbitration shall be administered either by JAMS pursuant to its Streamlined Arbitration Rules and Procedures, or by the American Arbitration Association pursuant to its Commercial Arbitration Rules. The arbitrator shall have no power to add to, delete from or modify these limited warranty terms. Each of us shall have the right to conduct discovery to which we would be entitled had the dispute been resolved in a state court of general jurisdiction in the state of the Lumber Liquidators store where you purchased the products. Judgment on the arbitrator's award may be entered in any court having jurisdiction. This clause shall not preclude either party from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction. The arbitrator may, as part of the award, allocate all or part of the costs of the arbitration, including the fees of the arbitrator and the reasonable attorneys' fees of the prevailing party. The arbitrator shall only have the authority to resolve individual disputes between you and Lumber Liquidators. Notwithstanding the foregoing, in addition to our rights set forth above, we may initiate proceedings directly in the appropriate court located in the U.S. city nearest the Lumber Liquidators store where you purchased the products in connection with any claim to collect amounts due and owing by you.

## **10. NO OTHER TERMS**

**SAMPLES, DESCRIPTIONS, AND OTHER INFORMATION CONCERNING THE PRODUCT CONTAINED IN CATALOGS, ADVERTISEMENTS, OR OTHER PROMOTIONAL MATERIAL OR STATEMENTS MADE BY SALES REPRESENTATIVES OR DISTRIBUTORS ARE FOR GENERAL INFORMATIONAL PURPOSES ONLY AND ARE NOT BINDING UPON LUMBER LIQUIDATORS. NO SALES REPRESENTATIVES, STORE MANAGERS, ACCOUNT REPRESENTATIVES, OR DISTRIBUTORS SHALL HAVE ANY AUTHORITY WHATSOEVER TO ESTABLISH, EXPAND OR OTHERWISE MODIFY LUMBER LIQUIDATORS' WARRANTIES. THE TERMS OF THIS LIMITED WARRANTY DOCUMENT MAY NOT BE AMENDED EXCEPT THROUGH A WRITTEN AGREEMENT TITLED "AMENDMENT TO LIMITED WARRANTY" AND SIGNED BY AN AUTHORIZED OFFICER OF LUMBER LIQUIDATORS, PROVIDED, HOWEVER, THAT LUMBER LIQUIDATORS MAY GENERALLY MODIFY, CANCEL, UPDATE, OR OTHERWISE CHANGE ITS PROSPECTIVE WARRANTIES FOR FUTURE SALES AT ANY TIME AND FOR ANY REASON.**

## **11. OTHER PROVISIONS**

The section headings provided in this limited warranty are for convenience and informational reference only and shall not affect the interpretation or construction of this limited warranty.

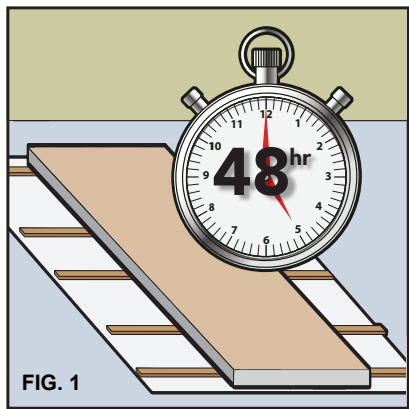
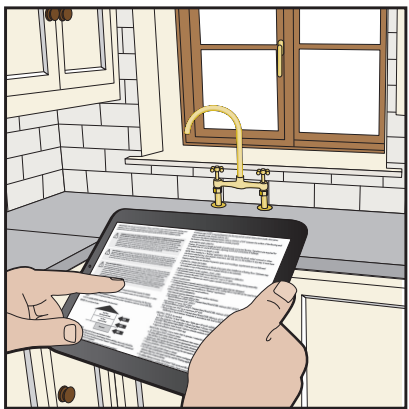
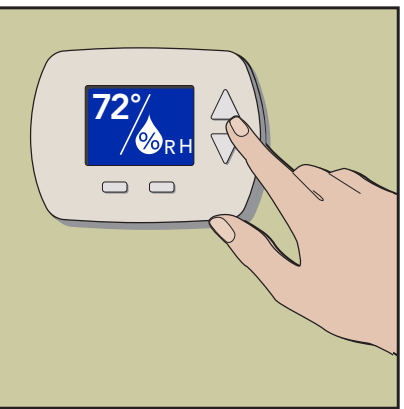
THE PROVISIONS OF THIS LIMITED WARRANTY ARE DEEMED TO BE SEVERABLE AND THE INVALIDITY OR UNENFORCEABILITY OF ONE PROVISION SHALL NOT AFFECT THE VALIDITY OR ENFORCEABILITY OF ANY OTHER PROVISION.

## **12. ADDRESS FOR LUMBER LIQUIDATORS**

Lumber Liquidators, Inc. is located at 4901 Bakers Mill Lane, Richmond, VA 23230.



# Save time & avoid frustration! Please read these entire instructions before starting your installation, and A.I.M. for success!

<p>AIM</p>	<p>AIM</p>	<p>AIM</p>
 <p>FIG. 1</p>		
<p><b>Acclimate</b></p> <p>Acclimate your Butcher Block to your home environment. Time for acclimation will vary. Always check using a meter. Acclimation will ensure your countertop looks great for years to come.</p>	<p><b>Install Correctly</b></p> <p>Take time to review Lumber Liquidators' installation guidelines and follow the National Wood Flooring Association Guidelines to ensure that your installation goes well from beginning to end.</p>	<p><b>Maintain Environment</b></p> <p>The ideal Relative Humidity (RH) range for Hardwood is 30%–50% at a temperature of 60°–80°F. It is acceptable in some households that this range may be higher or lower, but extreme fluctuations in RH must be avoided*.</p>

Congratulations on the purchase of your quality, solid wood Butcher Block product to complete your remodeling project. Following these guidelines closely will help ensure your countertop will be beautiful and problem free for years to come.



**? Need Help?** To obtain installation assistance or product information concerning this flooring, contact the store of original purchase, or call the Lumber Liquidators customer care at 800-366-4204.



**LEAD WARNING:** Some paints and finishes in homes built before 1978 may contain lead. Exposure to excessive amounts of lead dust presents a health hazard. Prior to removing or sanding, comply with all applicable federal, state, and local laws, and reference the publication "Lead-Based Paint: Guidelines for Hazard Identification and Abatement in Public and Indian Housing" available from the United States Department of Housing and Urban Development regarding (1) appropriate methods for identifying lead-based paint and removing such paint; and (2) any licensing, certification, and training requirements for persons performing lead abatement work.



**WARNING:**

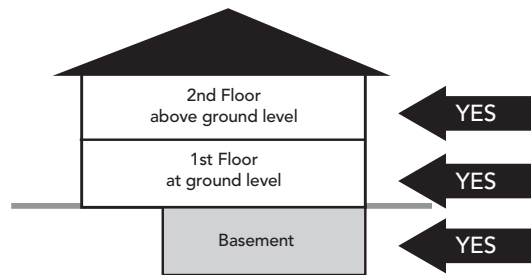
Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to [www.P65Warnings.ca.gov/wood](http://www.P65Warnings.ca.gov/wood)

## RECOMMENDED USE:

- Residential interior use only. \*See the product's limited warranty for details.
- **Do not install in wet areas like patios and showers, or exterior areas. Do not install in boats, or other moving vehicles.**

## GRADE:

On, above and below grade.



## JOBSITE CONDITIONS:

- The building should be enclosed with all doors and windows in place.
- **Prior to delivery and install:** All wet works (e.g. drywall taping, texture, painting, stucco etc.) should be complete and allowed to dry. The rooms should be at normal “lived-in” conditions with HVAC operational for at least one week prior to the installation when home is so equipped.
- The installer - not the manufacturer or retailer - is responsible for making sure that the site conditions are appropriate prior to installation of product.

## ACCLIMATION: 48 Hours

- Place slabs on flat surface, no more than six high in area to receive new countertops. Ensure each layer is evenly supported to prevent distortion. Elevate stack using 2 x 4's as illustrated in Fig. 1 above.
- On concrete; place a layer of 6 mil poly down first during the acclimation process.
- Keep away from heat vents as that can cause the wood to warp.
- Do not remove from packaging.
- Do not store slabs leaning against the wall.

## TEMPERATURE and RELATIVE HUMIDITY:

For best performance, butcher block should be ideally conditioned, installed and maintained to consistent indoor temperatures of 60° - 80°F and relative humidity of 30% - 70% (not to exceed a 30% fluctuation in relative humidity, before, during and after the installation and for the life of the product).

## SUNLIGHT:

Depending on the species, your butcher block will naturally change color “patina” with prolonged exposure to sunlight. Use of window coverings, shades, or tinting your windows is recommended to slow this natural process.

## HELPFUL TOOLS: (as needed)

- Tape measure • Pencil • Chalk line • 6' level • Circular saw • 60 tooth carbide tip saw blades • Eye protection • Ear protection • Niosh dust mask • Knee pads • Gloves • Bar Clamps • Biscuit Joiner • PVA wood glue • Drill • Drill bits
- Appropriate Hole saw • Palm Sander • Sandpaper • Flat pry bar • Broom • Hygrometer (to monitor in-home humidity)

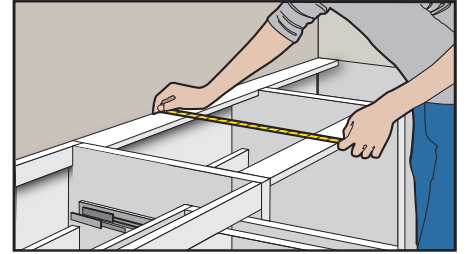
## ADDITIONAL NOTES:

Each project is unique and different. Installation advice or recommendations are given as a courtesy and not intended to take the place of an installer's visual inspection, expertise or informed judgment, which will override any advice or recommendations given in the Installation Guidelines. The end user / contractor on-site is ultimately responsible for ensuring that selected products are appropriate for local conditions and / or the final use of the product.

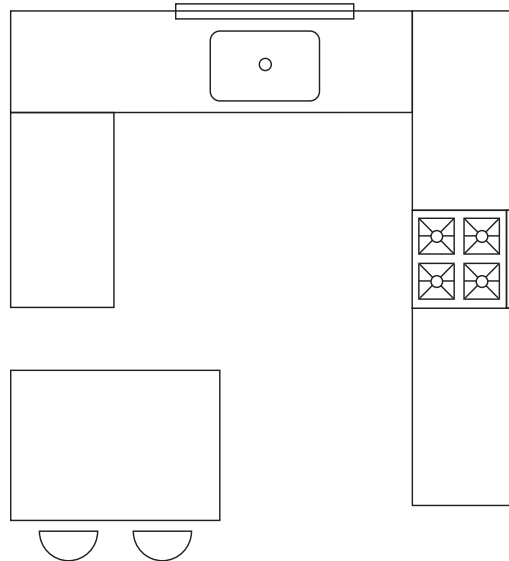
# INSTALLING SOLID BUTCHER BLOCK COUNTERTOPS

## Step 1. Planning your Installation (before placing order):

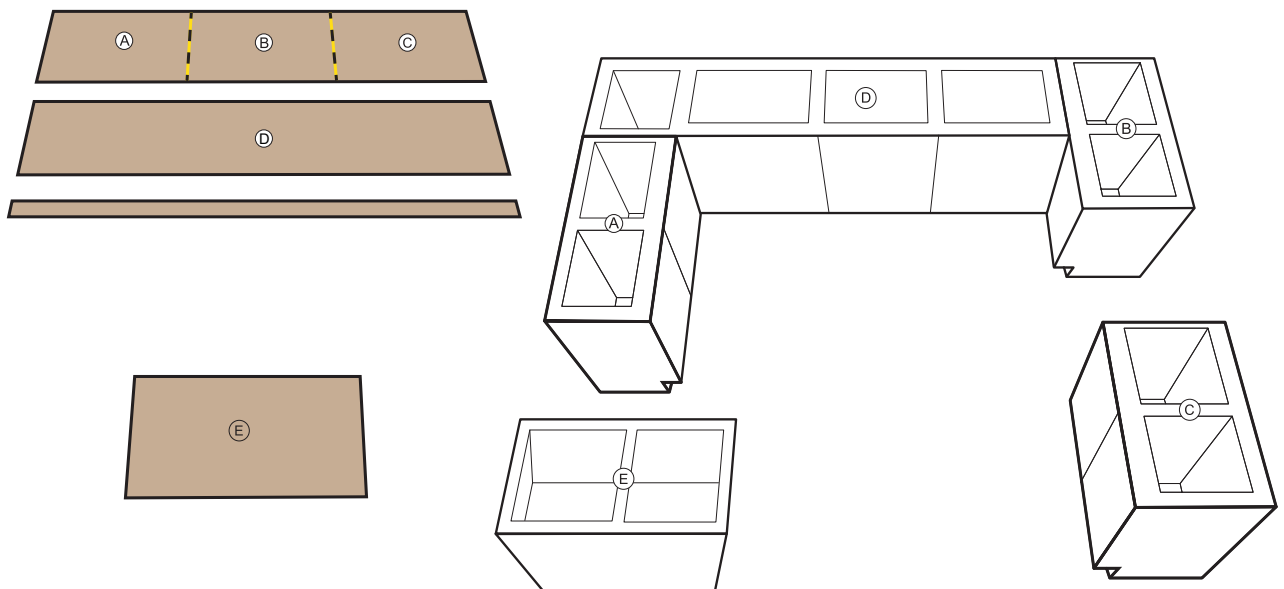
Measure the depth and length of all cabinets that will be receiving new countertops, adding desired amount of overhang Eg. 1". Measure along the walls on all sides and also along the cabinet fronts.



Make a detailed drawing of your cabinet layout.



Determine number of pieces of countertop (8' or 12'), number of Island pieces (4'x 6') and number of backsplash lengths (12') required for your particular layout.



Cabinets are typically 24 or 24 1/2 inches deep.

Allow about a 1/8- inch expansion gap along the walls (gap will be covered by your chosen backsplash).

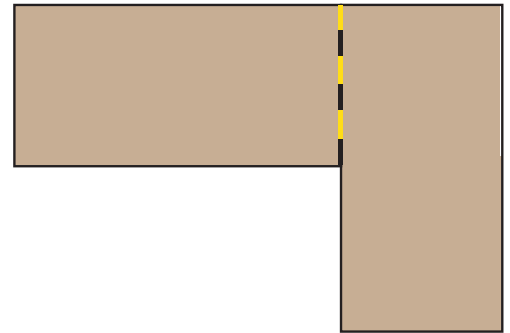
Avoid placing any seams at the sink whenever possible.

For cabinet bases that are greater than the standard 24" depth, an island (4' x 6') countertop slab may be cut down to fit, or you can join two 25" sections together as detailed below (Step 11).

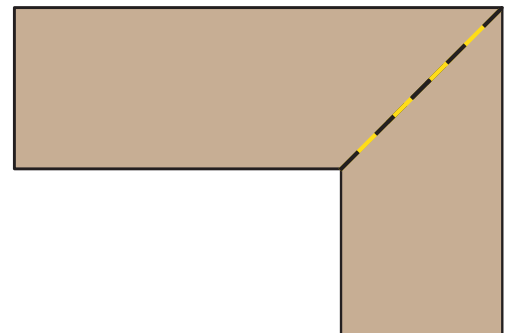
For corners, two pieces will need to be seamed together.

The two types of seams are butt joints and miter joints.

Butt joints are simpler, use less material and is demonstrated in the example above.



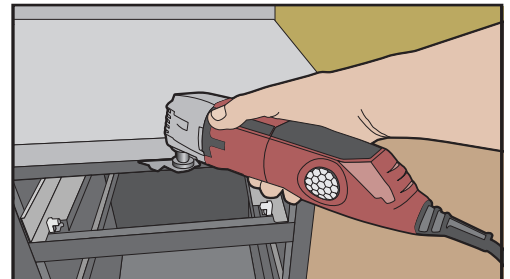
Once you have determined materials required, place order and have delivered to jobsite for acclimation.



### Step 2. Getting started:

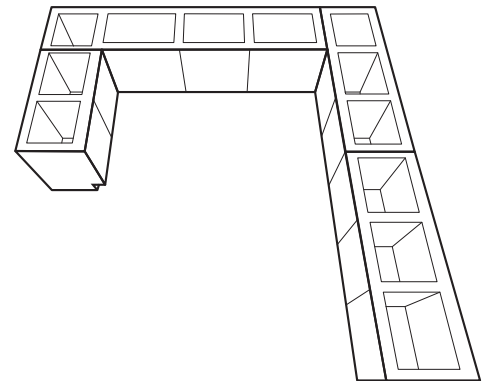
It is advisable to remove all cabinet doors and drawers so they don't get damaged.

Remove the old countertops by backing out the screws using a screw gun. If countertop is glued down, to avoid damaging cabinet base, use an oscillating tool to cut adhesive bond.



### Step 3. Layout/Template:

For long, straight, stand alone countertops you can determine the dimensions of your countertop(s) by measuring the cabinets and adding the overhangs. For kitchens with a lot of angles or that are u-shaped, consider making a template. Creating a template is essential for a smooth installation where complicated seams, corners, cutouts and other considerations exist. You can create your template from cardboard 1/8-inch paneling or luan plywood strips.





Set the pieces in place over the front of the cabinets to mark the front edge. Make sure they're even along the front.

Use a hot melt glue gun to fasten the strips to each other and use bracing strips to keep it square and true.

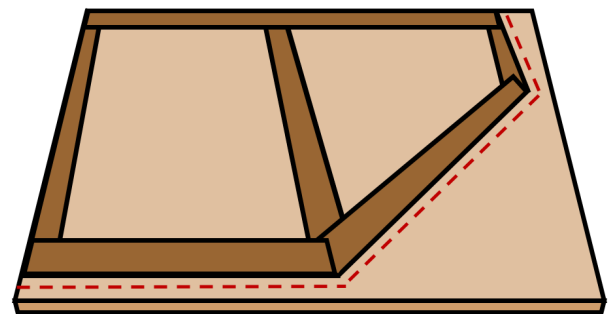
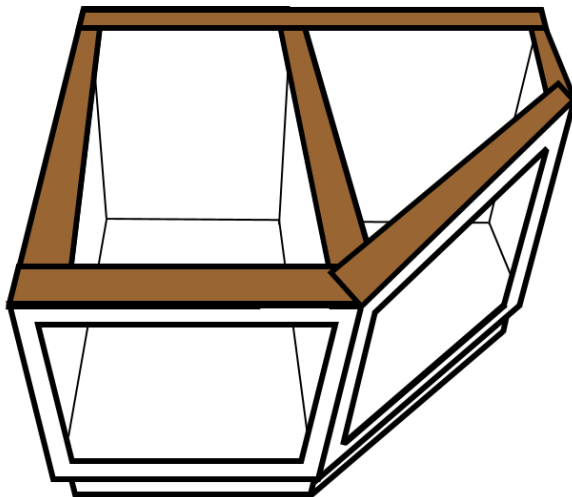
Make sure that the cabinet boxes are level and securely in place before you begin creating the template. Also, check that the cabinets are open at the top so that air can move under the finished top to provide cooling if needed. If obstructions exist, cut away as much as possible without jeopardizing the cabinet integrity.

Deciding where the seams are placed is critical to the overall layout and look of the installation. Take the time to plan Seam placement and avoid small cuts.



#### STEP 4.

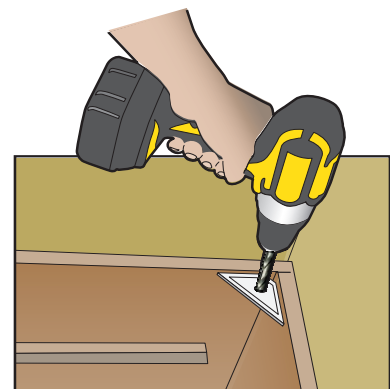
Overlay the section of countertop with the template pattern created. Ensuring your measurements are accurate, transfer to each slab section by marking the length on the top of panels. Add your desired over-hang on to the fronts, sides of end cabinets and island/bartops.



#### STEP 5. Prepare the cabinets

If you're working with open-topped cabinets, to secure the slabs to the cabinets, use cabinet corner braces.

Ream the holes to make them larger if needed to allow for expansion and contraction.



#### Step 6. Cutting the Butcher Block

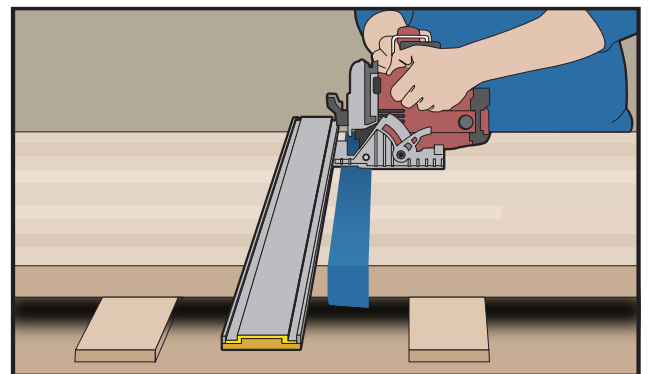
Cut the pieces one at a time, and then check the fit after each cut. When cutting the butcher block use a circular saw with guide for straight cuts and a jig saw for rounded cut.

Apply painters tape before cutting to prevent the wood from chipping.

Typically you will start with the corner piece first.

Set the corner piece in place, and make sure the front edge is where you want it. Clamp it if possible.

Continue installing each panel until countertop is completed.



## Step 7.

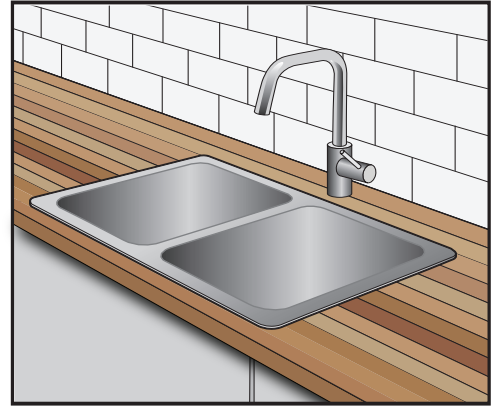
### Marking the Sink

Make some reference marks for the cutout. Mark the center of your sink on the wall. Also mark the center on the front of the sink, and transfer the interior basin walls to the.

Use vendor supplied sink template and follow instructions.

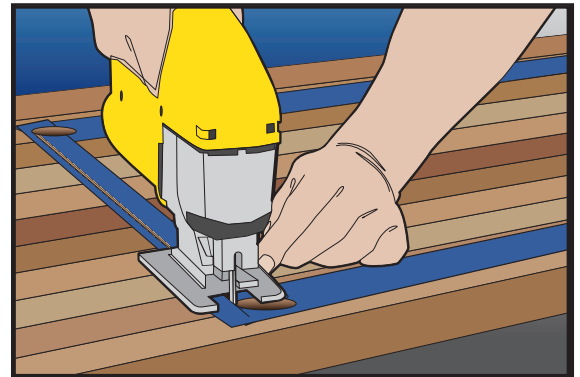
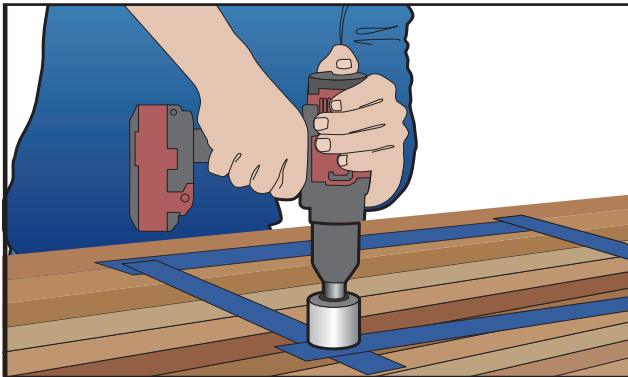
Seal the cut edge with a lacquer or a polyurethane finish promptly to prevent potential cracking along the glue lines.

*Do not use oil only*, as it does not provide a permanent seal.



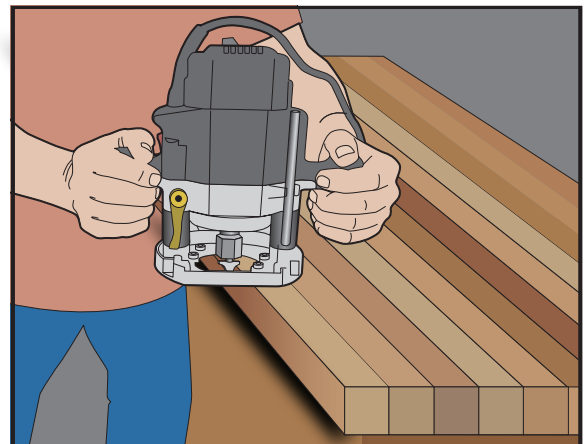
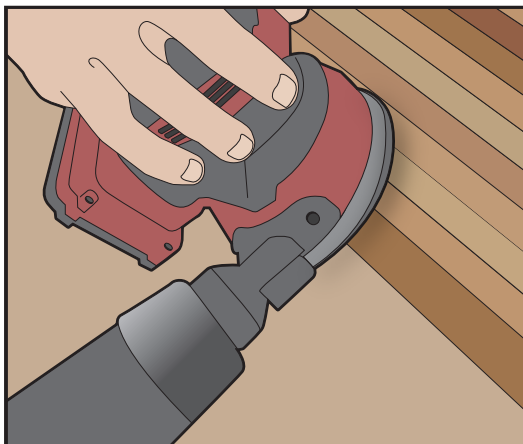
Drill starter holes with a hole saw at the corners. This radius is about 2 inches. Next, set up the straight edge to cut along the lines. Make sure the blade is to the excess side of the line, and stop just short of the starting hole. For the backside line, line up the saw blade, pull back the guard and slowly plunge it into the material to make the cut.

If there's any additional material to cut, use a good jigsaw with a new blade to carefully make the cuts.



## STEP 8. Sand the Edges of countertop

Use a sander or sandpaper with a fine-grit sandpaper to create the eased edge or select a router bit for desired profile (Test it on a scrap piece). When it looks good, run the router over the butcher blocks top edges.



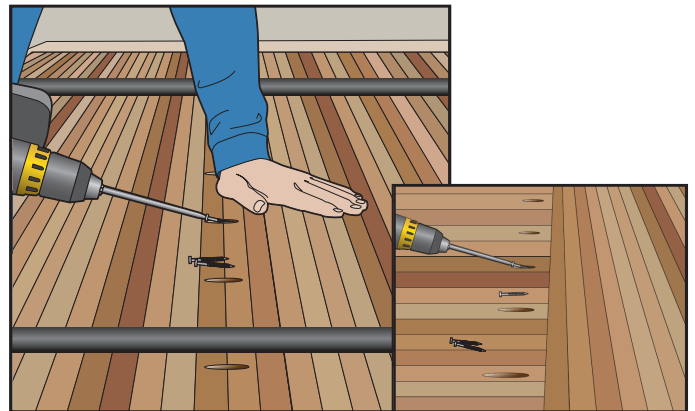
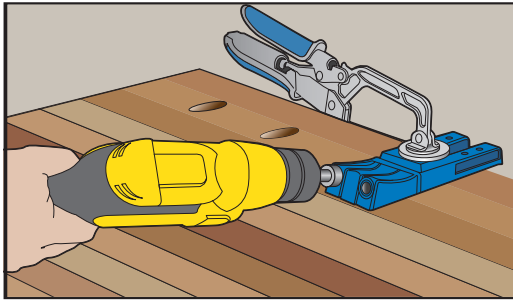
## Step 9. Seal bottom and edges that face the walls

Determine how counter will be used, whether for direct food prep or a decorative finish (see instruction below). Before assembling the pieces of countertop, seal the bottoms, sink cutouts and sides that will be against the wall using your chosen sealer.

## Step 10. Connect the Slabs:

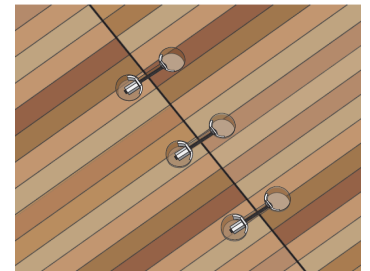
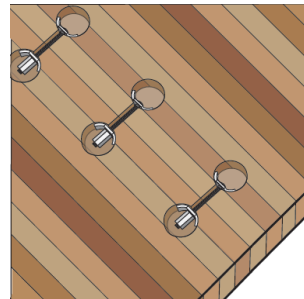
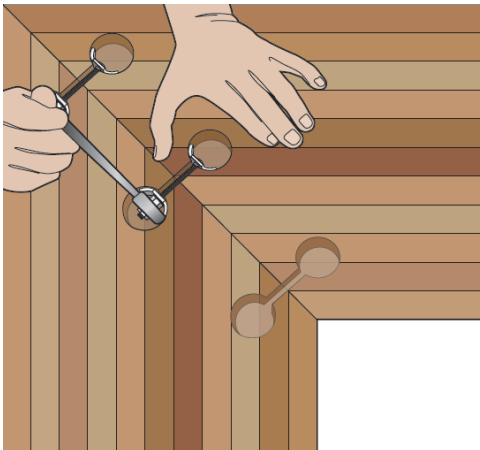
There are a few ways to join butcher block panels below are a few of the common options.

**Pocket hole jig** will create angled holes for screws to secure the pieces together. Drill the holes about every 6 inches. When panels are perpendicular to each other, ensure the screws will drive into the piece with the cross-grain (see inset).

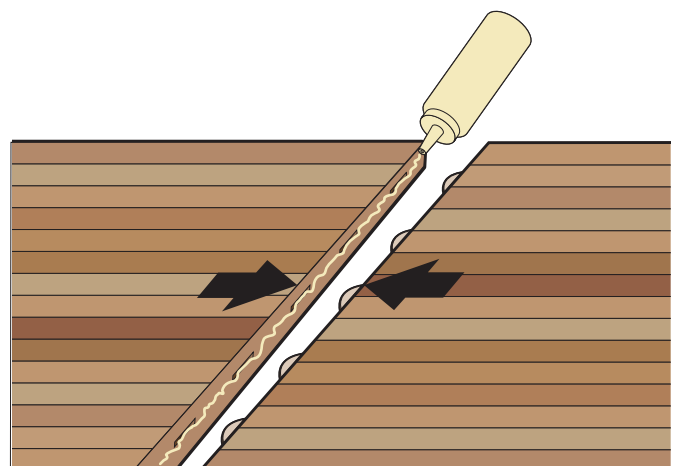
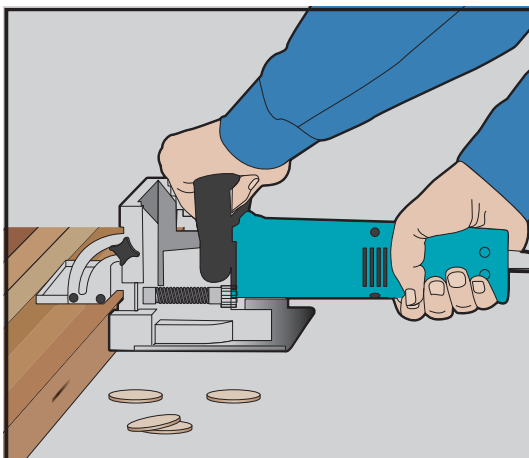


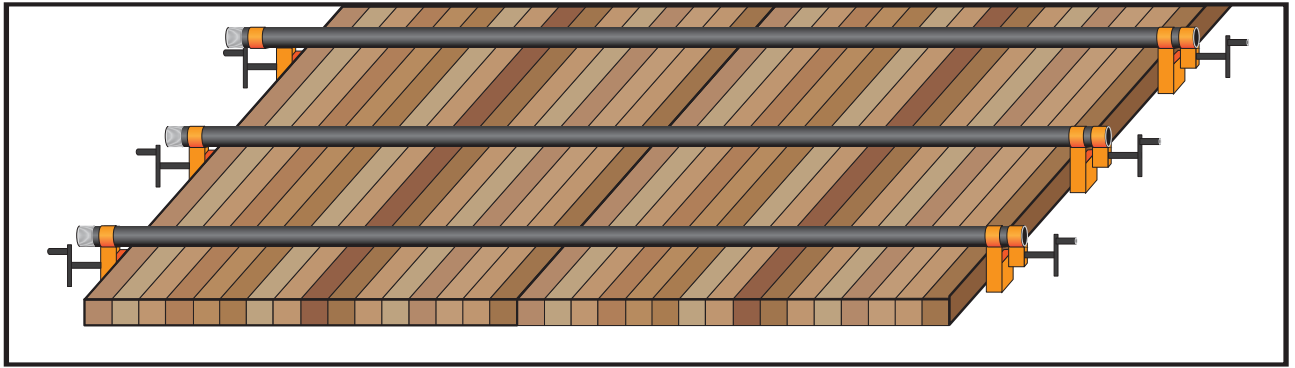
**Miter bolts** are typically used to hold the corner pieces together but also for sides and end joint connections. Lay the pieces topside down, and line up the reference mark for the corner. Draw marks across each seam for the miter bolts.

With a router, set a 1/2-inch straight cut bit to a depth of about 1/2 inch. Then cut a channel into the slabs to create a space for the bolt. Move the router slowly using a high cutting speed. Create a wider area on the head side so you can fit a wrench in to tighten

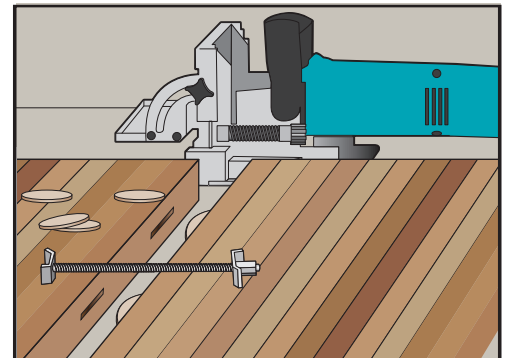


**Biscuit Joinery:** A biscuit joiner (also known as a plate joiner) cuts half-oval slots in mating workpieces; then you glue in a football-shaped "biscuit" and clamp the joint tightly. Biscuits add strength to joints and assist you in aligning workpieces.





Installers may combine different joinery methods for a strong, long lasting joint depending on the application.



### Step 11. Seal remaining surfaces:

After pieces are assembled, apply finish to the top and exposed edges of countertops.

*There are various sealants available.*

Follow the directions for your sealer. Remember to coat the entire butcher block: the top, sides and bottom. Allow it to dry, and then add a second coat.

Note: See Step 15 if installing a butcher block backsplash.

#### A. Preparation for Butcher Block Oil:

Preparation for New, Untreated Butcher Block

Prep sand with 120-grit sandpaper.

Remove dust with a vacuum, compressed air, a tack cloth or a water-dampened rag.

Do not over-sand with fine-grit sandpapers; this will close and seal the wood grain, preventing ideal product absorption.

#### B. How To Apply Williamsburg Butcher Block Oil:

To season a new countertop apply 3-4 coats of the oil generously using a clean white cloth or disposable white towel (avoid colored materials as they may bleed and stain the wood). Look for dry spots and reapply as necessary.

Allow to stand overnight. Wipe off any excess using a clean white cloth.

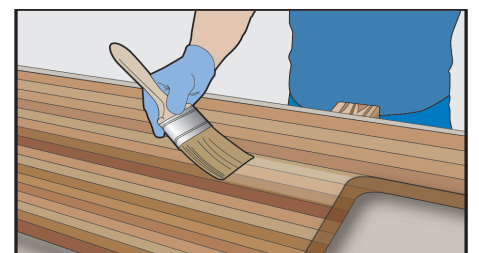
This should be performed within 24 hours of installation.

Additional coats help ensure that the oil fully soaks into the wood.

After Butcher Block Oil, maintain wood with Williamsburg Butcher Block Conditioner by applying 1 coat and let it stand for at least 20 minutes. For countertops, let the conditioner soak overnight and in the morning, wipe away excess. The conditioner helps protect the wood by keeping the mineral oil in and the moisture out. Butcher blocks can be regularly oiled with Butcher Block Oil or Butcher Block Conditioner to keep them seasoned and ready for use. These products can be used together for best results but can be used alone as well.



**When using other types of finishes** such as polyurethane, tung oil and other butcher block sealing products, Please read product labels for additional directions and precautions before using.



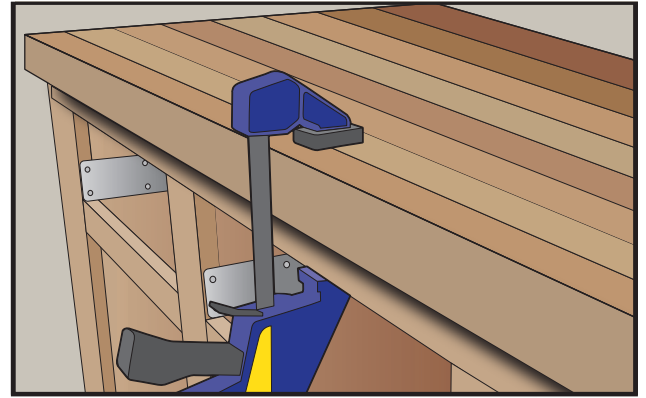


## Step 12. Attach the butcher block

For cabinets with furring strips use a drill driver fitted with a 1/2" paddle bit, drill through the center of the blocking or through the solid cabinet top at one furring strip. Repeat on the corners of each cabinet.

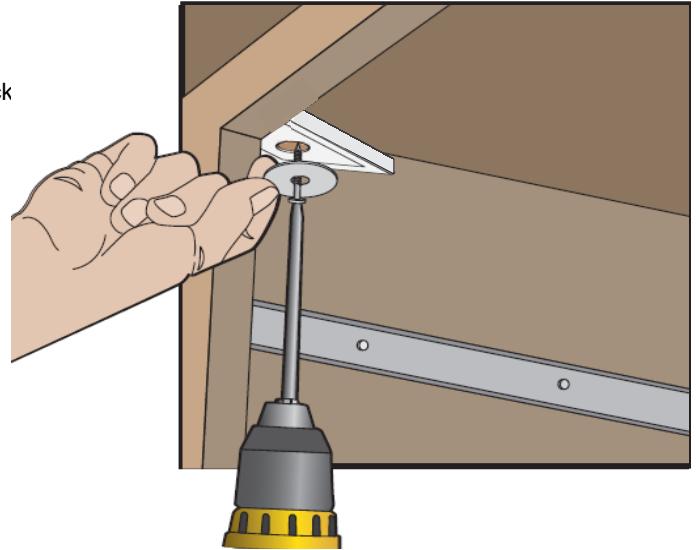
On an open-topped cabinet, lay a bead of kitchen and bath sealant along the edges of the cabinet and on the blocking.

On a solid-topped cabinet, lay a bead of kitchen and bath sealant on each furring strip. Set the counter in place and clamp down.



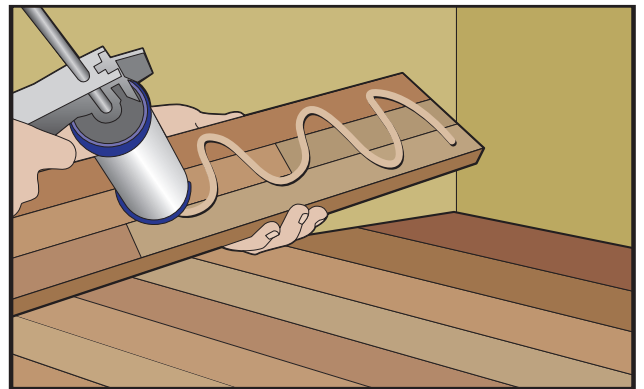
## STEP 13. Tighten down the block

From inside the cabinet, drive a deck screw fitted with a fender washer up through each hole, into the butcher block. (Make sure the screw is shorter than the counter is thick.) Tighten the screw until it just pulls the block snug to the cabinet.



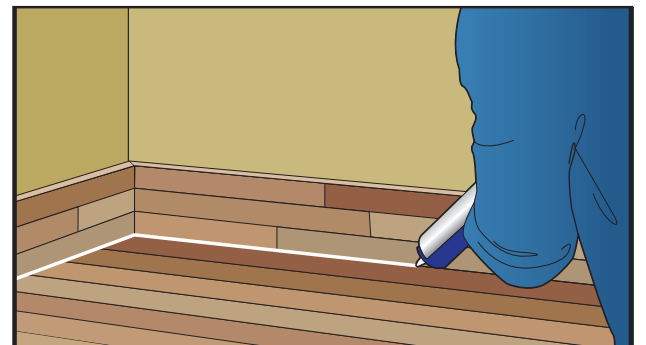
## STEP 14. Install the Backsplash

Next, install the backsplash. Use a flexible 100% silicone adhesive to the back, and set it into place. To help hold it in place, use weights or braces extended from the upper cabinets.



## Step 15.

Apply *clear* silicone sealant along the walls, before sealing with oil or after the last coat of urethane wood sealer has dried, where the back-splash meets the countertop and where the counter-top meets the sink.



## Step 16.

Install sink and connect Plumbing

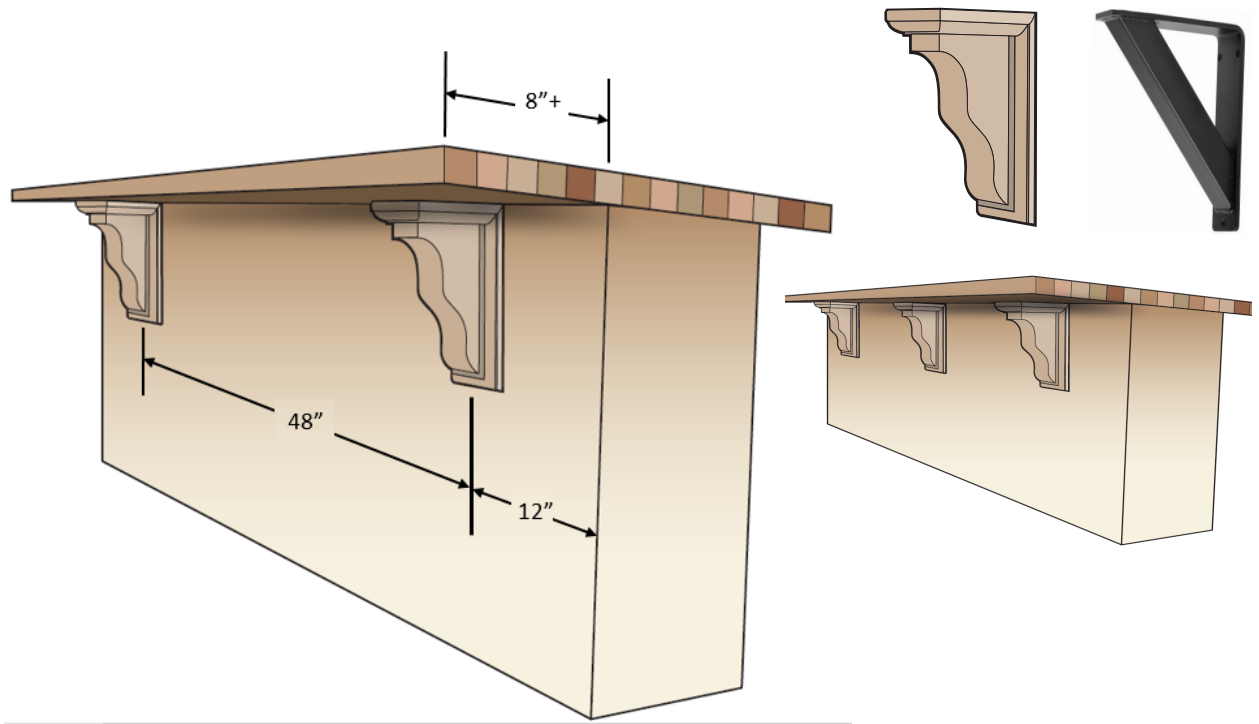
## Step 17.

If your countertop will extend over the edge of the base that supports it, it may require reinforcing braces to prevent the butcher block from splitting, cracking or warping. Determine whether your top will require brackets or corbels by measuring the overhang.

The Maximum distance will vary, depending on whether the overhang is at an end of the block or on a side of the block (see details below).

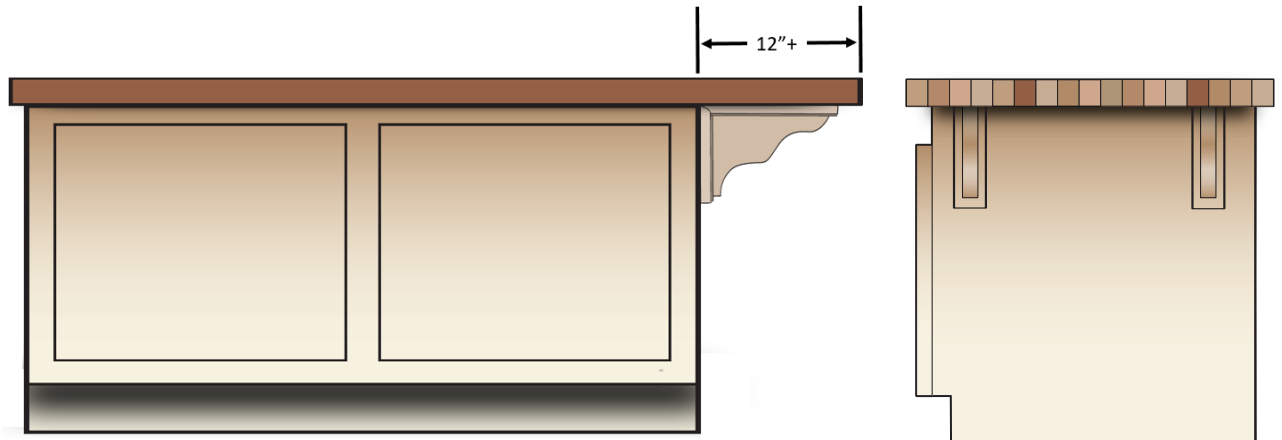
### SIDE OVERHANGS

If a side of the countertop will extend 8 or more inches beyond the edge of the cabinet that supports it, the side overhang must be supported by braces spaced no more than 48 inches apart (on-center). Additionally, the first and last bracket should be installed 12 inches from either end of the block. (See the illustration below.)



### END OVERHANGS

If an end of your countertop will extend 12 or more inches beyond the edge of the cabinet that supports it, the end overhang must be supported by braces spaced no more than 24 inches apart. In addition, the outermost braces should be within 12 inches of each of the block's sides. (See the illustration below.)



# CARE AND MAINTENANCE

## **Butcher Blocks – Food Grade Oil Finish:**

Use a food grade mineral oil when using your counter top as a cutting board.

Lumber Liquidators recommends **Williamsburg Butcher Block Mineral Oil**.

This oil protects your butcher block cutting surfaces to keep them in like-new condition. Specially formulated with vitamin E to safely treat butcher block countertops, cutting boards, wooden serving trays, bowls and utensils to prevent drying and cracking.

Williamsburg Butcher Block Oil is a food-grade oil that easily absorbs and penetrates deeply into the grain of the wood to help protect, revitalize and moisturize the wood fibers, in addition, the oil absorbs into the wood create a natural barrier to moisture and bacteria.

Initial Application: Note: Your new countertops should already have been treated on the underside and wall facing edges (See Step 9). Prep sand surface with 120-grit sandpaper. Do not over-sand with fine-grit sandpapers; this will close and seal the wood grain, preventing ideal product absorption (See Details Step 11).

To season a new countertop apply 3-4 coats of the oil generously using a clean white cloth or disposable white towel (avoid colored materials as they may bleed and stain the wood). Look for dry spots and reapply as necessary. Allow to stand overnight. Wipe off any excess using a clean white cloth. This should be performed within 24 hours of installation.

Maintenance: There is no hard of fast rule to the frequency of oil application, but we recommend at least once per month for non-cutting areas or when the wood starts to look dry.

Areas where you cut regularly will need more attention and application frequency will be higher.

**Do not** use oils like walnut oil, olive oil, coconut oil, peanut oil, and linseed oil these will turn rancid over time or are not food safe.

Also consider, Williamsburg Butcher Block Conditioner which contains natural, unbleached beeswax and food-grade oil formula. Williamsburg Butcher Block Conditioner is denser, thicker which gives a protective top layer to the wood surface against foods and liquids. It helps keep the water out and the oil in.

**After food prep:** Scrape off food remnants and wipe away crumbs. Add a few drops of dish soap to a clean wet sponge, and give the butcher block a good scrub. Scrub along the grain of the wood will make the countertops cleaner. Rinse the sponge, and wipe / dry the counter down.

DO NOT allow liquids of any type to stand on the butcher block for long periods of time.

DO NOT let fresh, wet meats lay on the butcher block longer than necessary. Brine, water and blood contain much liquids, which soak into the wood, causing the butcher block to expand, the wood to soften, and affects the strength of the glued joints.

DO NOT use a steel brush on the cutting surface of your butcher block.

DO NOT cut fish or poultry on the butcher block work surface, unless you have thoroughly prepared your countertop

The moisture barrier must be intact prior to cutting any type of fish, seafood, or poultry on the cutting board work surface.

**ALWAYS CLEAN THE BUTCHER BLOCK SURFACE THOROUGHLY AFTER CUTTING** avoid cutting meat/ poultry / fish on the counter top to reduce the risk of scratches harboring bacteria.

We recommend that you distribute your cutting over the entire work surface so that it will wear evenly.

DO NOT use a razor-edged cleaver. It will chip or splinter the wood and produce soft spots. Your cleaver should have a dull sharpened edge for best results.

Sanitize your butcher block by wiping all surfaces down with mild dish soap and water. Dry thoroughly.

DO NOT use harsh detergents of any type to wash your butcher block surface.

DO NOT wash your butcher's tools on your butcher block surface.

Butcher Blocks - Urethane Finish: Care & Maintenance -

Urethane Finishes are virtually maintenance free and is impervious to most household chemicals.

Simply clean with mild soap and water. Wipe dry.

DO NOT cut into a Urethane finish butcher block. Cuts into the finish should be resealed immediately to prevent the exposed wood from absorbing moisture.

## **Kitchen Counter Tops - Wood: Care & Maintenance -**

Extremes of humidity and dryness could swell and shrink your counter tops causing small seasonal checks to appear. This possibility, though remote, is an unavoidable condition of enjoying the character and beauty of natural wood. In the remote case that small cracks do appear fill with a cellulose filler of the right tint become forming a practically invisible repair. Help preserve your counter top by keeping your home humidified in the winter and by refreshing your table often with Williamsburg Butcher Block Oil and/or Conditioner.

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