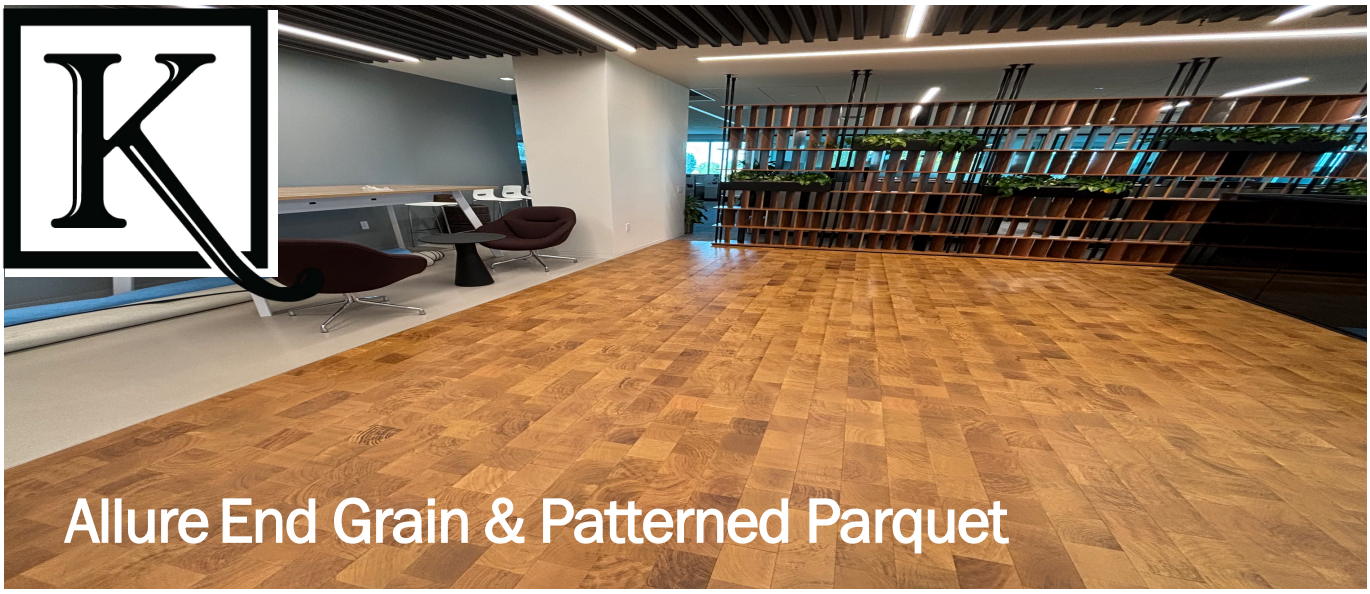
KASWELL FLOORING SYSTEMS

SPECIFICATIONS



Allure End Grain & Patterned Parquet

Revised 20 November 2025

INSTALLATION, FINISHING, & MAINTENANCE

All Allure Products with tongue and grove connections: Planks and Panels available Prefinished w/Micro-Beveled Edges. Unfinished with Square Edges or Beveled Edges. All Components available Prefinished or Unfinished.

- All Allure Planks, Parquet, and Components are 5/8" in depth, all with a 4 mil wear layer surface.
- Planks 4' long, w/standard block size 4-3/4" x 4-3/4". End Grain with minimal pith. Custom block sizes on request.
- Panels 4' long x 11-3/4" wide, w/multi size blocks, typical 3" x 3", 3" x 6" and 6" x 6". Custom size pieces on request.
- Individual End Grain Hexagons 8-3/4" Flat to Flat, or 10-3/4" Flat to Flat. Other individual pieces (squares or rectangles) on request.
- Component pieces available assembled or unassembled:
    - Hardwood Pickets Rhombus 5-1/16" x 10-3/16",
    - Hardwood rectangles 2-3/4" x 15-3/4"

BEFORE STARTING THE INSTALLATION

Please read the following specification in its entirety before starting your installation. We suggest you start a log for your project. **DO NOT OPEN BOXES prior to installation. Store unopened boxes in-doors for a minimum of 24 hours prior to installation.**

Measure and record the conditions in the storage area. Open several boxes and remove one plank from each. Probe into the side of the end grain, not on the surface of the end grain to measure and record in your log the moisture content of several planks. Plank moisture content should be in the 8-12% range. With controls in place,record job-site temperature and humidity at least weekly. It is recommended to use an environmental monitoring system, such as Floorcloud™ for monitoring job-site conditions before, during, and after installation.

To stabilize moisture conditions of the interior the structure should be fully enclosed, with doors and windows in place, and interior climate controls operational for at least 48 hours prior to installation. If conditions are not stable it may be harmful to the installation. NOTE: Allure Engineered flooring should not be delivered and installed the same day.

All job-site conditions should comply with Kaswell specifications, including but not limited to humidity levels and sub-floor conditions. Be sure that our planks, parquet, and components meet your expectations.

Inspect all flooring in daylight for any visible faults or damage. Report as needed. No claims can be accepted once flooring has been installed. To achieve a more random distribution of installed flooring, we recommend installing from different boxes at the same time.

When possible we suggest loose-laying several square feet of flooring in the general location where they will be installed. If the visual appearance, color, sheen or manufacturing quality does not meet your expectations, do not proceed with the installation.

Placement of Kaswell flooring into mastic for adhering purposes constitutes your acceptance of the flooring.

CHECK TEMPERATURE & HUMIDITY

With a reliable hygrometer, sling psychrometer, or electric monitoring device, check the humidity in the space where the flooring is to be installed. Humidity should read between 35-55% assuming a 65 - 75 degree temperature. If humidity is not normal, postpone installation until conditions are normal, and/or check with us. Our technical support is always available.

Humidity maintained above 60-70% at normal residential temperatures can adversely affect wood components. Humidity sustained at or above this level can result in an EMC (Equilibrium Moisture Content) of 12% or more, with associated expansion. Humidity maintained at or below 25-30% can adversely affect wood components and result in an EMC below 6%. This condition can cause greater than normal shrinkage, with associated cracks and dry cupping (Source Wood Handbook U.S. Department of Agriculture, Forest Products Laboratory). Our target moisture content for manufacturing is 7-9%.

Ideal conditions for all wood flooring would be to acclimate and install at the average level of humidity in your particular facility, which should be in 35-55% range. (*Source: National Wood Flooring Association Wood Flooring Installation Guidelines and Methods, revised 05/2012, page 10, article B-1 Wood's Comfort Zone. As a general rule, with geographic exceptions, wood flooring will perform best when the interior environment is controlled to remain within a relative humidity range of 35-55%, and a temperature range of 60° to 80° F. The ideal humidity range in some climates might be higher or lower, ie 35-55% or 45-65%.*

CHECK CONCRETE SUBFLOOR

The sub-flooring should be depressed corresponding to the depth of the planks, parquet or components specified. If cork or rubber underlayment is specified for added resiliency or sound control, allow for extra depth. A vapor barrier or reliable water-resistant concrete sealer (i.e. Bostik's MVP or an equivalent) should be used when moisture from below is of concern.

New concrete slabs must be cured (at least 50 days) and dry. Below grade installations are not recommended. Be sure the concrete sub-floor is flat and level. Tolerance should not exceed 3/16" on a 10 ft. straight edge in any direction. Check floor level with straight metal strip on edge. Double check edges and corners.

Eliminate any washboard irregularity. All rough spots or gravel protruding must be ground smooth and low areas (preferably) flashed with the chosen mastic. If tolerance is not as specified, flooring contractor shall INSIST masonry contractor make necessary corrections. Concrete should be tested for moisture content, and be no greater than 3 lbs. per 1,000 sq. ft. per 24 hours (ASTM F-1869), or 75% RH (ASTM 2170). We recommend a bond test before spreading mastic and installing flooring. A test should be made with your chosen adhesive and several of our planks, parquet, and components before beginning the installation. Check with us about your particular condition.

WOOD SUB-FLOOR

Allure Engineered products may be installed directly over wood or plywood sub-floors which are solid, level, and well ventilated below. There should not be any cupped area, or projecting nails. If planks are to be installed on an existing synthetic floor or raised computer floor system, ½" minimum plywood or hardboard underlayment should be added, glued and screwed to the synthetic surface.

EXPANSION VOID

Cork strips ½" to 1-½" should be used against all walls and columns, unless concealed by shoe moldings or other base. Place temporary wooden strips along the walls and columns equal to the width of the void to be created. After installing flooring flush to the strips, at the end of the day remove the temporary strips, leaving a uniform void for expansion. In aisleways and other narrow areas where planks or panels meet carpet or other flooring, the expansion void can be omitted. Schluter strips should be used at wood edges against carpet or other adjacent flooring materials.

Allure Engineered White Oak

APPLYING MASTIC

Store all mastic/adhesive for 72 hours at room temperature. Although we recommend Allure Engineered planks and panels be glued down, they can be nailed or with nail assist. **Note:** Be sure flooring has been accepted before gluing in place. For older sub-floors, be sure the surface is clean and free from dirt, oil, or grease. Use a 3/16" V notched trowel. If the coverage is less than 40 sq. ft. per gallon, change trowel angle or file down trowel to reduced depth. For all species, with the exception of treated pine blocks, we suggest Bostik's Best Urethane Adhesive, Mapei 980 Ultra-bond Adhesive, or BonaKemi R851 Quantum saline based adhesive. We suggest Bostik's MVP if a vapor barrier is needed. Allow MVP to dry and apply Bostik's Urethane Adhesive the next day.

INSTALLATION

Allure Engineered planks and parquet can be installed in any direction. However, board direction many times depends on the main source of light. We believe the boards should run parallel with the entering light for best appearance. However, the proportions of the room can also be emphasized by skilled selection of the direction in which the flooring is installed. In doorways and large areas over 33 feet in length and/or width, a cork expansion joint or other suitable flexible material should be installed.

CAUTION

DO NOT attempt to install Allure planks or parquet made with square blocks with rows straight in two directions. Blocks within the planks appear to all be the same size, but there can be a slight variation to their size which would adversely affect your ability to maintain perfectly straight rows in two directions. In addition, and IMPORTANT for all Allure planks and parquet, when the last plank or parquet abuts another material be sure to fill or remove the groove side that is intended to receive splines or tongues for product connection.

Alternately, fill voids with either one half of a slip tongue, or cut the groove side off completely. DO NOT LEAVE VOIDS UNDER THE SURFACE.

For sound attenuation and to smooth out slight irregularities of the sub-floor, use roll or sheet goods of ⅛" cork or 2-5mm of QT SCU by Ecore International, Lancaster PA.

Start the installation in the right-hand corner of the room and fix the first flooring board in place with distance spacers from the wall ⅜" to ½". We suggest the groove side of the board be placed towards the wall, thus exposing the tongue as laying is performed. Start every other row with a half block. Using hammer and tapping block to snug the newly installed planks and parquet over the exposed tongues. Measure the last board of the first row, and keep in mind to leave a gap of ⅜" to ½" between board ends and walls. Start the second row with the leftover piece of the first row, which will reduce cutting waste.

Join the subsequent boards together row by row, working from right to left. Snap the boards together at the long side using hammer and tapping block. Do not tap directly on the flooring edge. On completion, remove the distance spacers at all walls. Attach a base molding to the wall and not to the flooring, covering over the space created during installation. If no base is to be used, we suggest filling the void with pre-molded cork. Kaswell can supply all cork and mastic.

SANDINGING UNFINISHED ALLURE

Drum sanding should not be necessary but certainly can be implemented. Disc sand with 80 and 100 grit paper, and with 120 to 150 grit screens, making sure sanding is uniformly performed, and any circular disc lines are removed. Vacuum clean. Fill voids, cracks, or spaces between planks and parquet. Filler materials can include stain accepting patch compound, or wood flour, and finish. Mix the wood flour with the chosen finish. For detailed information on product and technique of application for filling voids and cracks, please request our "Filling Voids and Cracks" information sheet. Be absolutely sure no liquids (i.e. paint, coffee, water, mud, etc.) touch the flooring after sanding, and keep everyone out of the room until the surface is protected.

FINISHING OPTIONS

The Allure collection can be finished in natural color utilizing either urethane or penetrating oil.

Urethane Finishes: For color-modified finishes applied beneath urethane coatings, we recommend **Bona Dry Fast Stains** or **Bona Craft Oils** in conjunction with **Bona Traffic HD.**

Oil Finishes: For natural or color-modified penetrating oil finishes, we recommend **WOCA Oils, Uno Coat** by **Pro-Coat,** or **Bona Craft Oil.**

WOCA OIL FINISH INSTRUCTIONS:

After each oiling and wiping off excess the floor MUST be buffed and re-buffed with absorbent towels or other soft cloth so that there is NO oil left on the surface. You cannot overbuff. Continue buffing until no oil is left behind.

At least three oil applications will be needed. Softwoods, like pine and fir, will require more oil than hardwoods like oak and mesquite. Depending on the block specie, a fourth or fifth application may be needed to create the uniform holdout necessary. Inspect the surface at different angles after each oil application and wiping. If there remains an uneven or starved block appearance, the flooring must be re-oiled until the uniform holdout is achieved. When a uniform silky, matte surface has been achieved, then no further oiling is needed at that time. However, weeks later the flooring may appear dry and dull. This is normal and to be expected. Resins in the oil will shrink slightly, and the wood will then take on more oil. Re-oiling and re-buffing will return the surface to a "like new" condition.

Oil finishes can be re-applied at any time without surface preparation. If you re-apply oil and it is not penetrating the wood, it means the wood is essentially full. Just remember to wipe off ALL excess oil.

If you prefer a higher sheen/luster at this time, apply a very thin application of Woca Maintenance Gel, then polish with Woca polishing cloths or other soft cloths. Hardwax oils can increase sheen/luster as well. Call us for further recommendations.

DO NOT USE TAPE PRODUCTS ON THE FLOOR AFTER SANDING, DURING SANDING, OR AFTER OIL FINISH IS COMPLETE.

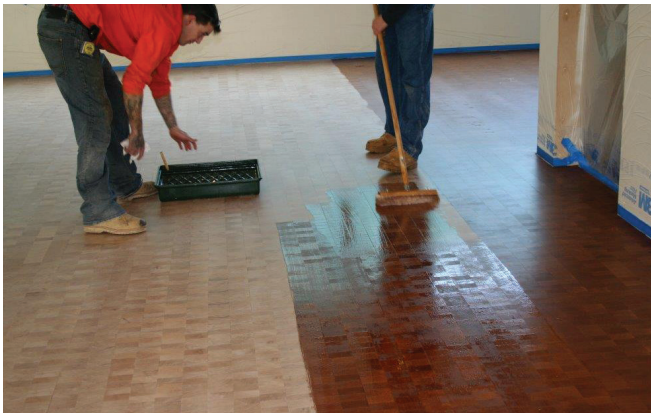
DO NOT ALLOW WATER OR WATER SOLUBLE PRODUCTS OVER AN OIL FINISHED FLOOR.

WE RECOMMEND ONLY ONE APPLICATION OF WOCA OIL PER DAY

1st Application:

Woca Master Oil is considered the primer application. Its role is to act as a base for subsequent oil applications. Choose your starting area and pour the oil into a paint tray.

Buffing Woca Oil



Applying Woca Oil using lambswool applicator

Spread the oil with a ¼" nap paint roller and extension pole or lambs wool applicator. Roll the oil as if you are painting the floor. Continue to spread oil until finished. Do not buff the oil into the floor, as this forces too much oil into the floor and the oil will be too deep. This may cause later bleed back and prolonged drying. When finished, rest your roller in the paint tray or on cardboard. Inspect for shiny spots. Within 30 minutes buff or wipe the entire surface with clean white towels to remove any shiny spots and/or excess oil. Cover-age may approximate 130-170 sq. ft. per liter. It is best to let this (primer) application dry and harden for 24-48 hours.

ALL FURTHER OIL APPLICATIONS MUST BE THOROUGHLY WIPED OFF FROM THE SURFACE. DO NOT ALLOW THE OIL TO BUILD.

2nd Application and Filling:

The second application is made with a mixture of Woca Master Oil and wood flour to fill joints and spaces between blocks, if they are to be filled . The oil is mixed with the sanding dust that accumulates in the drum sander bag during drum sanding. This filler mixture can be forced into the voids with a sponge trowel or rags, then buffed clean with a towel to remove excess. Buff with white towels to remove excess oil. You can not over buff. Let this application dry and harden before commencing with the third application.

NOTE: Other filler materials include stain-accepting patch compound and granulated cork.

BEFORE THE 3RD OIL APPLICATION (URETHANE OVER OIL OPTION):

Urethane can be applied over Woca Master Oil. If a urethane is to be applied, it must be applied after the second application of Woca Master Oil. If urethane is to be applied you must allow the first and second application of Master Oil to dry thoroughly and cure a minimum of 3 days. Warning: No further oil applications can be made after urethane finish has been applied unless the floor is re-sanded back to bare wood.

3rd Application

If you proceed with Woca Oil, the third, fourth and fifth applications, if needed, are to be made using **Woca Diamond Oil Active.** We suggest removal of the small center hold of a 3M white pad. Pour a capful of Woca Diamond Oil Active into the hole. Place the buffer over the pad and buff and polish the oil into the floor with or without Kaswell green patina discs. Continue to spread and polish as you pass the buffer back and forth across the work area. Coverage should approximate 300-400 sq.ft per liter depending on specie. Buff the surface with a new clean 3M white pad, then buff with soft white towels to remove all excess oil. You cannot over buff. The Diamond Oil Active will usually pre-harden in 4-6 hours.

However, let this application dry and harden 24 hours before commencing with any additional applications. Allow oil to cure 72 hours before palcing rugs and furniture on the floor.

ADDITIONAL APPLICATIONS IF NEEDED:

4th Application:

The fourth application is made using Woca Diamond Oil Active, repeating the process of the third application with or without green patina discs. After the fourth application the floor should appear silky, with a uniform appearance. Pour more oil onto the floor if needed and continue polish-ing and buffing. Overlap work areas to ensure a uniform finish with no spray residue from previous passes. Always buff to remove excess oil. You cannot over buff. Coverage should now approximate 1,250 sq. ft. per liter. The Diamond Oil Active will usually pre-harden in 4-6 hours. However, let this application dry and harden 24 hours before commencing with any additional applications. Allow the oil to cure 72 hours before placing rugs and furniture on the floor.

5th Application:

A fifth application will repeat the process of the fourth application, but WITHOUT green patina discs.

WOCA DRYING TIME

Dry time for careful walking could be after 6 to 8 hours without issue. However, drying time is affected by tempera-ture, humidity, air movement, and exchange. Therefore, we suggest hospital booties be used to protect against damage from footprints, especially construction boots with a grid bottom. Best to wait until the next day before walking. For Woca application the HVAC system should be running with good airflow, between 60°F and 80°F, and within 30-60 RH. Full cure after all applications have been made will be 3-5 days after the last application, depending on temperature and humidity. **Caution:** DO NOT INTRODUCE WATER DURING CURE TIME.

Woca Oil finished flooring can be covered if necessary within 12-18 hours after the last oil application. Use breath-able covers such as brown kraft paper, RAM board, or a combination of both. DO NOT EVER cover the flooring with polyethylene plastic.

HOW TO INCREASE THE LUSTER AND/OR SHEEN LEVEL OF WOCA OILS:

Standard Woca Oils provide a low matte sheen level. We suggest three methods to increase the sheen level.

Option one (preferred method): Apply a thin layer of Woca Maintenance Gel. This product is supplied in tubes with coverage approximately 1,000 sqft per tube.

Woca Maintenance Gel is to be applied sparingly and consistently. Buff with 3M white pads and Woca polishing cloths. LESS IS MORE.

Option two: Apply one or two applications of Hard Wax Oil to the surface. Since very little Hardwax Oil is to be used, spreading the product must be done carefully and sparingly. We suggest using a squeegee applicator with a sharp edge with lots of downwood pressure on the squeegee. Pour a small bead of Hardwax Oil onto the floor, and carry the bead back and forth from one side of the area to the other with the sharp edged squeegee. Only a very small amount of Hardwax Oil will be left behind, and that is correct. Work small areas. No worries for overlap marks. Once the spread is complete, buff the Hardwax Oiled surface with 3M white pads. Dry buff the surface with new clean 3M White pads. You cannot over buff. We suggest the last buffing be done with a soft cloth or felt. This will polish the surface slightly. Allow to dry overnight before using.

Option three:

Patina discs on a 3m white pad

Use patina discs, available in 400, 600, and 800 grit. They are edger type discs that adhere to 3M white pads with Velcro. Start with 400 grit patina discs. The resulting luster may be sufficient. If not, then try 600 grit patina discs, etc. The procedure is as follows: Apply Woca Diamond Oil Active to the surface and disc the oil in with the patina discs/white buffing pads. Towel buff off all excess, then re-oil without patina discs and towel buff off all excess again. The last buffing is done with a soft cloth or felt. This will polish the surface slightly. Allow to dry overnight before using. BE SURE NOT TO ALLOW the Hardwax Oil to build on the surface. If you are not sure of the results, dry buff again. The results should be the same as before, but with a slightly higher sheen. Woca Oils are Volatile Organic Compound FREE. In 2007, new regulations were introduced in the European Union regarding VOC levels in coating materials. All Woca products fulfill these regulations. Woca VOC free oils have the following features:

- Positive influence on the working area and living environment. Improvement of product characteristics and application methods. No effect on indoor-air quality.
- Woca products are certified by independent laboratories, the German Institute for Biological Building Materials, and are in accordance with DIN-Norm 53-160. Woca WoodCare Denmark products meet or exceed the most stringent US standards for volatile organic compounds.

Woca Leed Rating: Woca is a plant-based non-emitting finish, which complies with South Coast Air Quality Management standards and always qualifies for the following LEED credits in the chart below.

AVOID SPONTANEOUS COMBUSTION:

WATER-SOAK ALL OILY CLOTHS AFTER USE AND PLACE OUTSIDE OF BUILDINGS AND AWAY FROM COMBUSTIBLE MATERIALS.

DIRECT APPLICATION FOR URETHANE FINISH

For urethane application directly on the wood surface, either water based or solvent based, we recommend Bona Woodline Satin or Bona Traffic water based urethane. Visit Bonakemi.com for instructions. Solvent-based urethanes are preferable, but water-based urethanes can be applied with care. Four applications of urethane may be needed. Always apply thin coats until the surface is uniformly sealed. NOTE: There are many excellent urethane finishes for wood flooring, including Bonakemi. In all cases the finishes should be a commercial or industrial brand. Coverage rates on finishes will vary depending on the wood specie. We suggest checking with us before purchasing your chosen finish.

QUESTIONS AND CONCERNS

If there are any questions or concerns, please do not hesitate to contact us before or during installation and finishing. Call or e-mail for technical support. Kaswell Flooring Systems cannot be responsible for results of installations made by others. **We reserve the right to change specifications without notice.**

Environmental Feature	Leed Credit	Lead Points
Rapidly Renewable Materials	Materials and Resources (MR) Credit 6	1
Low-Emitting Adhesives and Sealants	Indoor Environmental Quality (EQ) Cr. 4.2	1

CARE & MAINTENANCE INFORMATION PREPARED BY WOCA FOR WOCA OIL FINISH ON KASWELL WOOD BLOCK FLOORING

To protect your investment, and to ensure that your Kaswell Flooring System maintains its beauty with years of lasting service, we offer the following recommendations for care and maintenance.

Daily maintenance:

For dirt, drips, spots, etc., sweep/dust/vacuum area regularly using broom or cotton cover on swiffer style mop. Woca Natural Soap is available in a spray bottle for easy, touch up wipe ups. Using this light fine mist spray is an excellent way to prevent future stains. Please be sure to wipe away all liquid. Excessive water will damage wood flooring.

Monthly/Quarterly maintenance procedures using WOCA Cleaning Oil:

The care and maintenance schedule for this type of cleaning may need to be adjusted based on the look of the floor from wear, traffic, etc.

Objective: To leave large floor areas clean of dirt and free of scratches from foot traffic.

Items needed: Slow speed buffer, WOCA Cleaning Oil, WOCA Green Patina Discs under white buffer pads, absorbent cloths around white pads

Working method: Spray WOCA Cleaning Oil on surface area. Using 3 Green Patina Discs on white polish pad, wet buff the WOCA Cleaning Oil into the floor. A second pass with buffer, with a WOCA polishing cloth or cotton rag wrapped around a clean white pad, will be used to remove the excess oil from the floor. The process is totally dependent on the Patina Discs that add abrasion to the process and grind oil into paste, which both eases its removal and accelerates drying time.

Drying Time: The oil is dry on the surface within 1 hour. A further dry burnish is recommended to remove a latent greasiness on the floor that is attractive to dust. Any oil that remains damp at the start of the dry burnishing stage should be quickly buffed with patina discs beforehand. This serves to convert the oil into a paste and ensure it is picked up by the burnishing pads.

Productivity: A 2-man squad should complete at least 700 sq. ft. per man per hour. After 2 hours of drying, one man should dry burnish the area before traffic begins walking on the floor.

Pros: Cures all the ills the floor may accumulate. Cleans the floor without using water. Keeps the floor saturated with oil helping to keep dirt on the surface instead of deep into the wood grain. Sections can be done at regular intervals. No building closed. Work can be done in the evening and walked on in the morning.

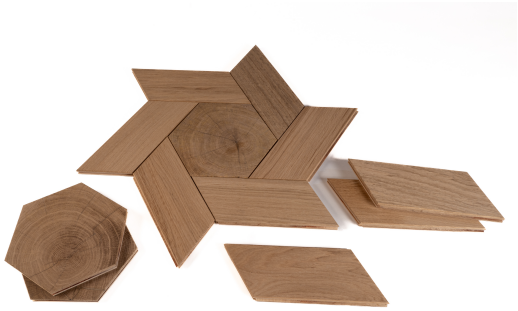
Cons: Areas cleaned with oil must be dry burnished during the same shift (no later than 4 hours). If not, a greasy film will be left on the floor that is attractive to dust.

KASWELL FLOORING
Top 10 maintenance tips:

1. Maintain proper humidity conditions, ideally in the 35-55% range.
2. Vacuum lightly or sweep daily to remove sand and grit.
3. Apply carpet or felt protection to chair and table legs.
4. Wipe spills promptly.
5. Use walk off mats at entrance doors.
6. Reapply finish at the appropriate time.
7. For urethane finish:
   Use mist mops. Never use damp or wet mops.
8. For urethane finish:
   Avoid using wax or oil soap products.
9. Use only maintenance products furnished and recommended by the finish manufacturer.
10. Call or email Kaswell regarding your flooring.

URETHANE FINISHING INSTRUCTIONS

Urethane finishes are applied by several standard applicators; including brush, T-Bar, lambs wool, sponge squeegee, roller, and paint pad. There are many solvent-based and water-based urethane finishes to choose from, and we recommend the finish manufacture's application instructions be followed. Product choice can affect the applicator choice. Since viscosity, drying time, and general workability will vary from one product to another, we always suggest worker participation in the decisions for finish and choice of applicator. We believe the best applicator for solvent based urethanes is lambs wool. We believe the best applicator for water-based urethane, (both the sealer and finish), is a roller or paint pad applicator. We recommend at least 3 applications made over our end grain products (1 application of sealer or stain, and 2-3 applications of finish.) T-Bar applicators are many times used for final finish.



Engineered T & G Hexagon white oak blocks with Hardwood components

CARE AND MAINTENANCE INSTRUCTIONS

By following these basic instructions, you can ensure your urethane finished wood floors remain clean and well-maintained without risking damage from excess water or abrasive particles.

1. Always consult with the finish manufacturer selected.
2. **Frequent sweeping or vacuuming: r**egularly remove dirt and debris by sweeping or vacuuming with a soft-bristle broom or a vacuum cleaner with a floor-brush attachment.
3. **Avoid excessive water:** Always use a PH neutral cleaner (such as Bona Hardwood floor cleaner) when cleaning urethane finished wood floors to prevent damage to the finish and/or wood flooring. Bona mist mop/swifer type applicators are recommended.
4. **Spill clean up:** Promptly clean up spills to prevent staining or damage to the flooring. Use a damp cloth ɒ recommended Bona hardwood cleaner with mist mop.

For more detailed information on care and maintenance for end grain wood flooring products contact a Kaswell representative.

KASWELL END GRAIN BLOCKS GRADING AND SIZE TOLERANCE

The National Wood Flooring Association does not provide grading information/rules or size tolerance requirements for end grain block flooring as they do for conventional hardwood flooring. We offer the following information, and believe it to be an accurate description of our block flooring products.

Wood is a natural product, subject to numerous variations in grain, color, hardness, and dimensional stability. Machine tolerances are measured by us during manufacturing only, with tolerance of +/- .02". Moisture can enter and exit rapidly through the end grain. And so, after manufacturing the blocks can gain or lose moisture, thus changing their measurement. Our blocks, as well as other wood items, change in moisture content and dimension during and after fabrication, while awaiting shipment, in transit, and at the job site. For this reason, as well as others, it is important that the installer measure and record the moisture content of the planks & panels at time of delivery. Doing so is also necessary to determine the length of acclimation time, if any, for your project. The target moisture content for all of our wood flooring products is 8-10%, with a 5% allowance for pieces outside that range up to 13%.

There is a grading allowance for hardwood flooring shipments of not greater than 5% of the pieces mis-graded or off graded. However, end grain blocks are not graded at all, and therefore no description that we can make, and no sample that we can provide, could encompass all possible variations. However, there is an ASTM specification D1031-86 for industrial pine blocks, which includes block description and size tolerance. The ASTM size tolerance was written as follows: "Permissible variations from the specified dimension shall not exceed 1/16". We recognize that this is for industrial application, and may not be appropriate for high end commercial and residential applications. ASTM does not grade pine blocks but they do describe them in detail, and we have adopted their standard for all of our end grain species for commercial and residential applications as follows: "Blocks should be sound and well manufactured, square butted, and square edged, and shall be free from unsound, lose or hollow knots, knot holes, and other defects such as shakes and checks that would be detrimental to their performance". In most cases, normal season checks in end grain blocks are not detrimental to their performance and so we do not consider checks to be a defect.

We can produce individual blocks in many species that are check-free, sap-free, knot-free, pitch pocket-free, blueing-free, and the number of annual growth rings per inch can even sometimes be part of a specification. These natural conditions should be addressed when ordering. We encourage you to speak with us about your particular project and specie choice.

Although our logs for individual blocks are kiln dried to 8-12% +/-2%, square blocks can go "out of square" after fabrication because radial and tangential expansion and contraction is different. Even rectangular blocks can "go out of rectangle" with a change in moisture content. We recommend all indiviudal blocks not be installed tightly together side by side. Our installation instructions advise the blocks should be slightly spaced apart to accommodate slight irregularity of size and shape. The space can allow for some growth as well and the net affect will be that "out of square" or "out of rectangle" blocks can appear below the JND, the "Just Noticeable Difference" (in size and shape). If slightly irregular squares, rectangles, or hexagon blocks are installed tightly together, the blocks might appear slightly above the JND, and you might deem them un-useable or unacceptable for your project.

Running bond patterns of both rectangles and square individual blocks can easily be created below the JND. However, due to slight size variation, you should "open an installation of (especially) square blocks", even slightly, if a tile pattern is required. The four points of the four blocks must meet. Therefore, square blocks must be carefully placed during installation. All voids created from spacing can be easily filled during the finishing process.

KASWELL LIMITED WARRANTY

Seller warrants for a period of two years from date of delivery that Kaswell Flooring is free from defects, which makes the flooring unfit for use for which it is normally intended. Seller's only obligation during this warranty period is, at its sole option, to either repair, replace, refund or credit the purchase price of the flooring, or part thereof found to be so defective. At the conclusion of this warranty period, Seller shall be under no further obligation whatsoever. This warranty is void in the event of negligence, abuse, abnormal usage, misuse, accidents, improper installation, improper maintenance, or any circumstances or conduct beyond the control of the Seller, most particularly job-site conditions. Seller is not liable for consequential damages arising out of or in connection with the sale or use of Kaswell wood flooring including, but not limited to, all labor and/or material charges or loss of income or profit relating to the goods in any way whatsoever.

CONDITIONS OF SALE

All pricing is per sq. ft. or surface measure with no milling or cutting waste figured.
All orders are subject to availability of stock for prompt delivery.
Special orders are non-cancelable and non-refundable.
A 25% restocking and handling charge is applicable on all authorized returns.