



KD Panels

Health Protection · Non-toxic · Preventing Controversy · Zero Contamination · Flame Retardant · Time Saving

KD Panels, focused on the latest design trends with a wide selection of colors to enhance your next project



KD Panels

Prefinished Wood Veneered Panels

KD Panels

▪ Advantages

Scratch Resistant
Fire Retardant
Moisture Resistant
Antibacterial
Time Saving
High Quality

▪ Applications

Wall paneling
Ceiling
Furniture
Cabinetry
Doors
Table tops

▪ Interior Spaces

Residential
Commercial
Hospitality
Corporate Spaces



K6196IN Cypress • Quarter Mismatch + Wire-Brushed



K6187AS White Oak • Mismatch + Wire-Brushed



K6186CS Teak • Mismatch + Wire-Brushed



K6343AR Slate • Quarter Mismatch + Rough-Cut

For more pictures and information please log on to our website: [http:// www.twkd.com/us](http://www.twkd.com/us)

Advantages

▪ High Quality

KD prefinished wood veneered panels are treated with an ultraviolet-cured coating in a controlled environment that would not be available with on-site finishing. The quality and consistency of KD prefinished wood veneered panels are far better than those obtained using other finishing methods.

▪ Non-toxic

Workers doing finishing work can breathe in toxic fumes from paints and proprietors are at a risk of being exposed to the toxic substances that remain on-site. KD prefinished wood veneered panels are sanded, stained (when applicable), and finished using advanced finishing methods in a controlled environment and thus, can be installed without the exposure of toxic vapors or finishing odors.

▪ Flame Retardant

Conventional lacquer contains highly flammable solvents. Unlike the conventional lacquer, KD prefinished wood veneered panels are manufactured with special KD coating technology that giving them the flame retardant property.

▪ Time Saving

There is a significant amount of time saved in project completion as there is no on-site finishing required. Workers only need to paint the edge lines with our KD edging set, eliminating unnecessary materials and labor costs.

▪ Zero Contamination

With KD prefinished wood veneered panels, sanding dust, staining, and unpleasant finish fumes can be avoided.

▪ Durable

The water-based primary coating is applied to our KD prefinished wood veneered panels to achieve the best adhesion between the coating and the veneer. This coating is able to protect the veneer from water and dampness, providing twice the durability of the panels produced using conventional painting and finishing procedures.

▪ Ease of Maintenance

KD prefinished wood veneered panels have great surface coating hardness which reaches 3H to 6H and meets CNS standards. (Might have some exceptions for certain products.) Scratch, abrasion-resistance and chemical substance resistance results are notably more durable compared to conventional lacquering techniques. As for daily cleaning, we recommend using a damp cloth with mild detergent.

▪ Preventing Controversy

Some of the veneer defects on the unfinished wood veneered panels are difficult to detect before coating (i.e. delamination between backing and veneer, glue residue remaining on the surface, prominent color variation after finishing process). KD wood veneered panels are prefinished and thus, these defects can be detected during the quality control process, avoiding unnecessary controversy.



Scratch Resistance



Abrasion Resistance



Crack Resistance



Ease of Maintenance



Antibacterial Properties



Thermal Resistance



Chemical
Cleaning Resistance



Flame Retardancy



Hygienic Surface

Veneer Oxidation

Oxidation happens to almost any material due to the exposure to air and sunlight. This transition process is extremely slow in most interior spaces, and is almost unnoticeable. When we move away objects, such as beds, cabinets, which had been set on the wood flooring for a long period of time, we may find that there is a significant difference in color between the area that has been covered and the area that is kept uncovered by these objects during this time.

Color fading is a natural phenomenon caused by oxidation and it's practically impossible to avoid. However, staining and coating materials are able to slow the oxidation process. In order to improve the oxidation resistance of our coating, Keding Enterprises has incorporated the application of UV-coating technology to produce a finish that has a significantly better performance. This kd finish tends to be less prone to fading than conventional coating. With the mission of providing continuous high-quality products to our customers, we will continue to research and develop on how to improve the oxidation resistance of our products.

Ultraviolet (UV) rays, which are emitted by sunlight, may accelerate the oxidation and fading transition of the veneer and its finish. The areas which are directly illuminated by the sunlight might generate a variation in color. Such problems easily lead to a controversy between the proprietor and the contractor of the project. Therefore, the best way to avoid this kind of controversy is to select a dark colored veneer in these specific spaces while the project is still in its designing phases.

Keding Enterprises will continue to put efforts in researching and developing the prevention of oxidation and color fading to keep our products competitive in the market and guarantee the highest quality products to our customers.

Causes of Mildew

Tropical climate is well known for its heat and humidity. Under these conditions, mildew often appears on interior furniture and cabinets.

To be specific, most interior decoration requires the use of wood studs as the basic framework which is then covered by different decorative materials. If the wood studs' moisture content exceeds 18%, it is very likely for mildew to grow through the surface of the selected decorative material.

When applying decorative materials to a fresh brick wall, please allow a period of time for the wall to dry before applying the decorative materials, this will avoid the growth of mildew.

Mildew can affect the surface of decorative materials which are in close proximity to kitchen walls or bathrooms. Therefore, keeping indoor areas well ventilated with relative humidity of 50% to 60% and using dry structural materials during installation are the suggested solutions to prevent mildew build up. By following the practices above, the durability of the materials can be prolonged.

Business Statement

Disclaimers

1. The growth of each log depends on its environmental factors, making each log a unique one. Due to this fact, kd panels are subject to slight variations in color and grain from piece to piece, this portrays the natural characteristics of wood.
2. As a real wood product, your purchase is subject to rigorous quality standards and an accepted imperfection rate should be accepted. These imperfections can be eliminated at the time of installation. We appreciate your help in our mission to preserve our natural resources.
3. Some wood species are prone to seasonal supply shortages. Kindly check on product availability with us prior to placing your order.

Specifications

■ Plywood

Size	4' × 8' (1220mm × 2440mm)
Thickness	0.118" (3.0 mm) ~ 0.20" (5.0mm)

■ Paperback

Size	2' × 8' (610mm × 2440mm)
Thickness	0.016" (0.4mm) ~ 0.047" (1.2mm)

Limited Warranty

The warranty described applies to the original end user only and is subject to the Procedures, Limitations, Exclusions, and Disclaimers as set forth herein. This limited warranty is not transferable or assignable. The warranty is applicable to KD 1/8" plywood wood backed and paperbacked wood veneer.

- **Limited 6-Year Warranty.**

6-Year Limited Warranty for Keding Enterprises Ltd. ("Keding") (i) 4'x8' 1/8" plywood product laminated with wood veneer and (ii) 2'x8' paperbacked wood veneer (both items to be termed in this warranty as "KD Product").

Keding warrants to the original end user only that the KD Product will not delaminate, craze, fog, peel, yellow or separate within six (6) years from the date of purchase. Delamination is defined as a natural (and not man-made) separation of wood veneer from the backing due to adhesive failure. Cracking is defined as a natural (and not man-made) cracking on veneer finish.

- **Limited Finish Wear Warranty.**

6 Year Limited Finish Wear Warranty for KD Product.

Keding warrants to the original end user only against wear-through for a period of 6 years from the date of purchase. Finish wear-through is defined as 100% finish removal. This applies to normal wear and tear only.

- **Project Registration**

All KD product must be registered using the attached form to qualify for warranty.

- **Warranty Terms**

Keding's sole obligation under this limited warranty is to replace the product or an approved equal. Keding will not be responsible for the removal costs of damaged KD Product or installation of replacement KD Product.

WARRANTY EXCLUSIONS

KD prefinished wood veneered panels are real wood products, and are subject to variation in color and grain from piece to piece, giving it that unique individuality which distinguishes it from synthetic materials such as plastic or metal. Keding does not warrant against natural variations in color and grain. Keding also does not warrant against natural variations, color or grain variations between samples and panels. Any sample is only a representation of a wood species, and such sample does not create a warranty of any kind that the product you purchased shall be an exact replica. Any claims based on any such sample are specifically disclaimed.

Damage resulting from the following circumstances shall not be covered under this Warranty:

- **Improper Installation.**

Keding is not responsible for material installed with visible defects. Damage caused by improper storage, handling, or installation methods.

- **Improper Maintenance.**

Damage to KD Product such as dents and scratches are NOT covered. Damage resulting from improper maintenance will also not be covered. In addition, damage resulting from the following are not covered under these limited warranties: use of hardwood cleaning machines, auto scrubbers; use of non-recommended maintenance and care products.

- **Improper Environment.**

KD Products are not warranted against damage caused by man-made or natural disasters, including but not limited to leaking or broken plumbing, landscape watering/irrigation, fire, flood, earthquake, insect infestation or standing water during or after construction or other extraordinary circumstances. Fading or discoloration due to exposure to sunlight and its UV rays are not covered by these warranties.

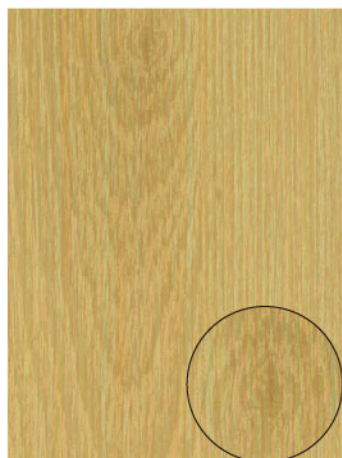
- **Warranty Disclaimers.**

KD prefinished wood veneered panels are made from natural wood. The natural appearance of wood and a change of the surface color and appearance over time is to be expected and not a defect. All of the products are subject to rigorous quality standards. Natural imperfections in the wood as well as manufacturing and grade selection defects may occur. Please examine each KD panel before installation. If the product is not of acceptable quality or products show physical damage, please contact us within five (5) business days of receiving the goods. Claims made after the mentioned timeframe shall be considered invalid.

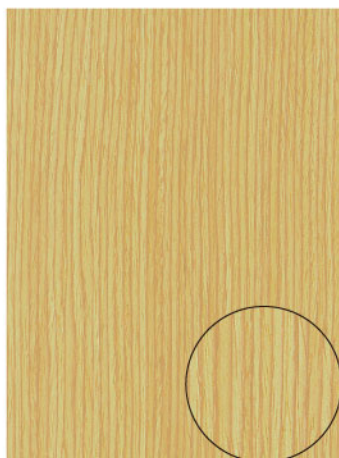
Comparison of Prefinished Panels

Differences Between KD Panels and Other Brands

Other



.kd

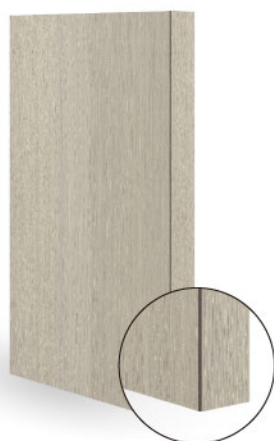


Thickness of light-colored veneer

Other : Layered with thin veneers on top, the color of the substrate can easily bleed through and affect surface color.

.kd : Thick veneer not only covers the surface of the substrate but also improves the texture of the panel.

Other



.kd



Edging on light-colored panels

Other : Without proper protection, the edge lines often get contaminated and darken through time.

.kd : The edge line is properly protected with UV cured coating, preserving its color for a long period of time.

Other



.kd



Edging on dark-colored panels

Other : Other coating materials do not protect the edge line effectively. Therefore, a noticeable separation between the surface and the sides may occur.

.kd : The edge line is properly protected with KD edge paint, no separation occurs between the veneer surface and the edge.

Comparison of Prefinished Panels

Differences Between KD Panels and Other Brands

Resistance to humidity

Other : The open pore surface tends to contain dirt and darkens due to the effects of humidity and every-day cleaning.

.kd : Due to the proper coating of the surface, the open pore surface has no gaps. Therefore, the layers below the coating layer are not affected by humidity.

Other



.kd

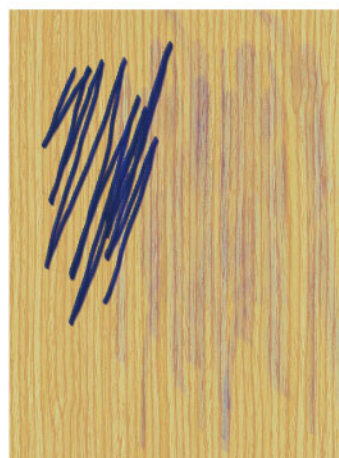


The marker stain test

Other : Without proper coating protection, veneer is more likely to absorb stains and marks which are difficult to be wiped off.

.kd : The open pore surface of veneer is thoroughly coated. With a covered surface, veneer is protected from stains, making it easy to wipe off.

Other



.kd

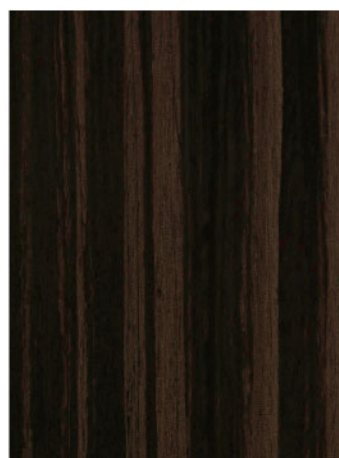


The 3-Dimensional staining texture

Other : Excessive use of traditional coating fogs the surface colors and limits the texture performance.

.kd : Ratio for dyeing on surface to primer is of 70~30, which enhances the veneer's texture.

Other



.kd



Comparison of Prefinished Panels

Differences Between Traditional Coating and KD UV Coating

Other



.kd

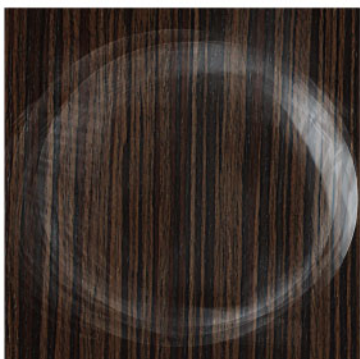


Flame Retardancy

Other : Traditional coating act as a fuel, which can increase the magnitude of fire.

.kd : KD advanced UV coating provides flame retardant properties to the surface.

Other



.kd

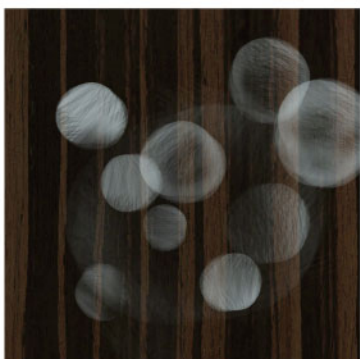


Heat Resistance

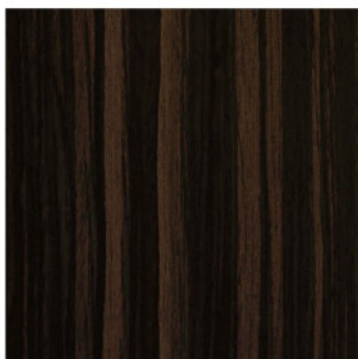
Other : Heat stains appear as a result of placing heated objects directly on the surface finished with traditional coating.

.kd : KD coated surface can prevent stains due to heat damage.

Other



.kd



Chemical Solvent Resistance

Other : Traditional coating dissolves when in contact with chemical solvents, leaving blemishes and stains.

.kd : KD coated surface is chemical resistant, the appearance does not react when exposed to chemical solvents.

Comparison of Prefinished Panels

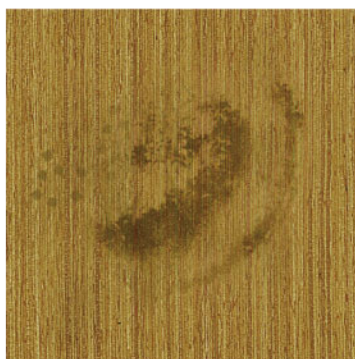
Differences Between Traditional Coating and KD UV Coating

Antibacterial Properties

Other : Traditional coating cannot prevent the growth of germs in humid environments.

.kd : KD coated surfaces can resist bacteria such as staphylococcus aureus and colon bacillus.

Other



.kd

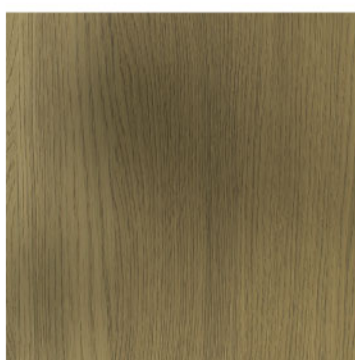


Humidity Resistance

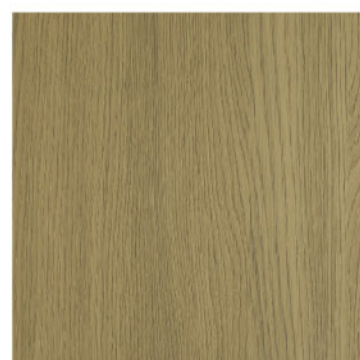
Other : Traditional painted surfaces tend to darken due to high humidity during rainy seasons.

.kd : KD coating protects the wood veneer thoroughly in humid environments.

Other



.kd



UV Light Resistance

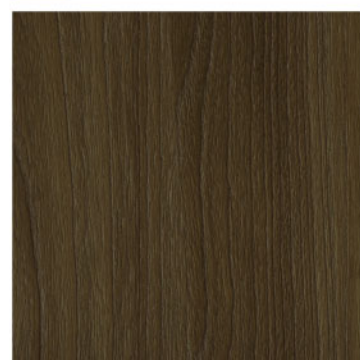
Other : Traditional coated surfaces are easily affected by UV light, causing fading in color of the surface.

.kd : KD coated surfaces resist significantly longer under the exposure to UV light.

Other



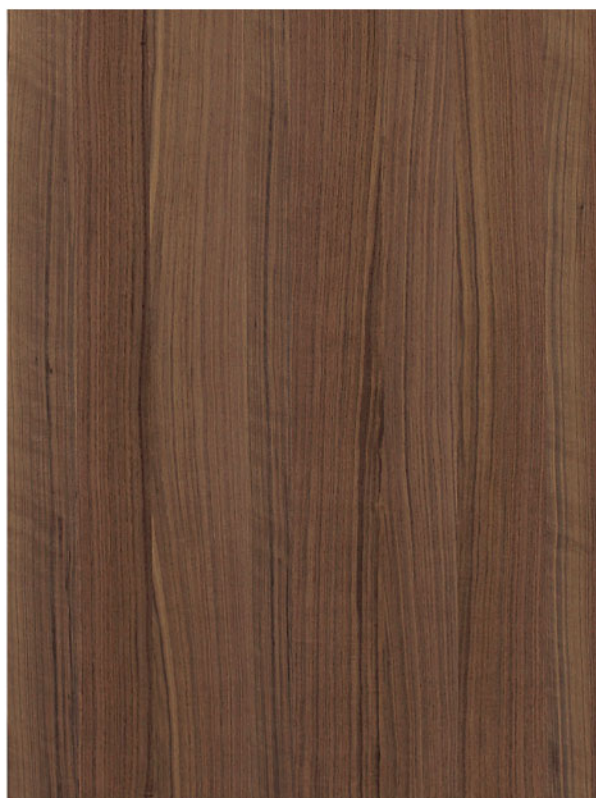
.kd



Veneer Matching



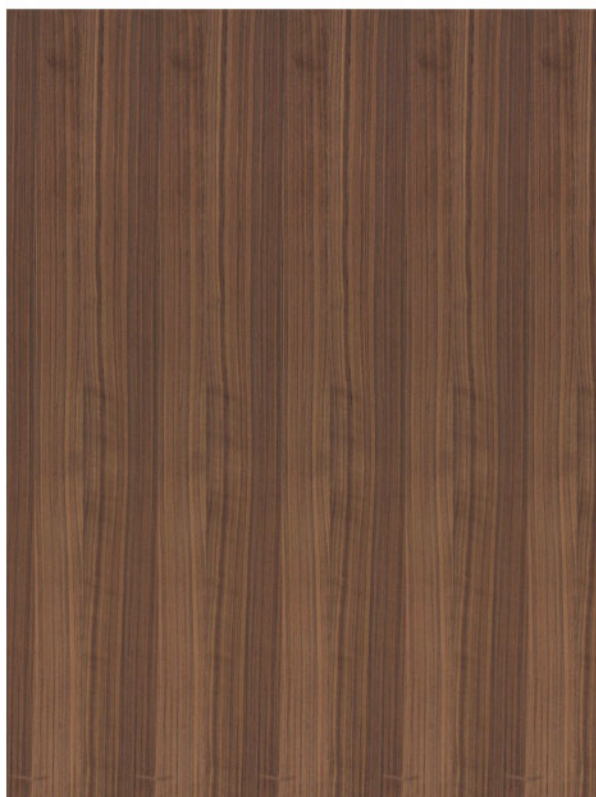
K6181AS Walnut Mismatch (Quarter/Crown-Cut)



K6181AN Walnut Mismatch (Quarter-Cut)



K6181AA Walnut Book Match (Quarter-Cut)



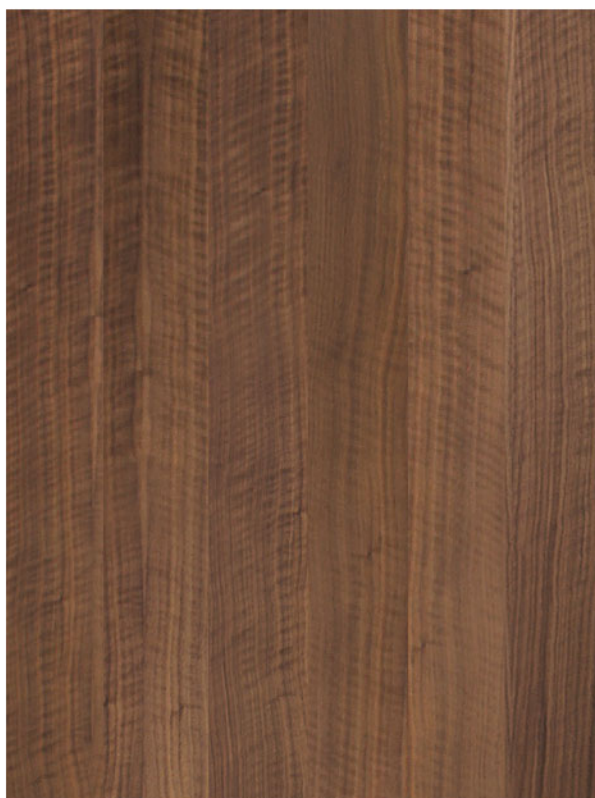
K6181AK Walnut Slip Match (Quarter-Cut)

Product Code Descriptions 1st digit : All KD series starts with K. | 2nd digit : 4 、 7 - Unfinished Products. 6 、 9 - Prefinished Products. | 3rd digit : 1 – Natural Veneer, 2 、 3 、 6 – Engineered Veneer, 4 – Rough-Cut | 4th 、 5th digit : Species | 6th digit : Color (A – original color, no stain) | 7th digit : Veneer Match (**A** Book Match **W** Figure **S** Mismatch **N** Quarter Mismatch **U** Figure & Quarter Mismatch **Y** Joint Grain **R** Recon Rough Cut Quarter Mismatch **B** Recon Wire-Brushed)

Veneer Matching



K6181AM Walnut Slip Match (Crown-Cut)



K6181AU Walnut Figure / Q. Mismatch



K6181AY Walnut Joint Grain



K6181AQ Walnut Cultured Match

Product Code Descriptions 1st digit : All KD series starts with K. | 2nd digit : 4 、 7 - Unfinished Products. 6 、 9 - Prefinished Products. | 3rd digit : 1 – Natural Veneer, 2 、 3 、 6 – Engineered Veneer, 4 – Rough-Cut | 4th 、 5th digit : Species | 6th digit : Color (A – original color, no stain) | 7th digit : Veneer Match (**A** Book Match **W** Figure **S** Mismatch **N** Quarter Mismatch **U** Figure & Quarter Mismatch **Y** Joint Grain **R** Recon Rough Cut Quarter Mismatch **B** Recon Wire-Brushed)







▶ Prefinished paper backing wood veneer sample

Your appreciation and care of this catalogue will help save the cherished resources of our environment.



▶ K6101AU Maple
Figure / Q.M. 3.1mm



▶ K6101PE Maple
Figure / M.M. 3.1mm



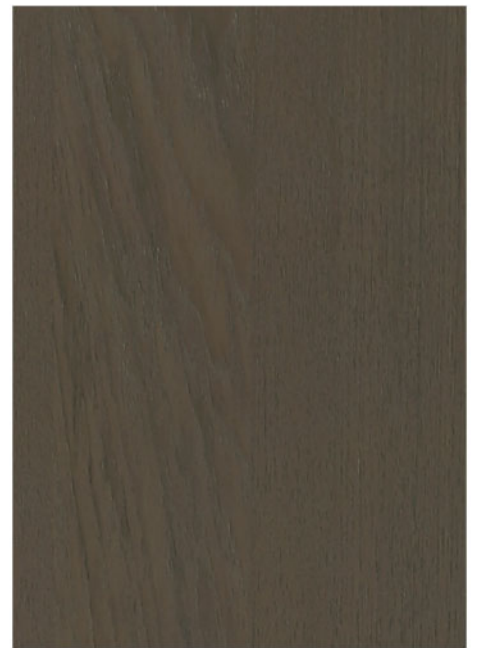
▶ K6101QE Maple
Figure / M.M. 3.1mm



▶ K6118AN Teak-Q.M. 3mm



▶ K6118AS Teak-M.M. 3mm



▶ K6118BS Teak-M.M. 3mm



▶ K6121AS Walnut-M.M. 3mm



▶ K6121AU Walnut
Figure / Q.M. 3mm



▶ K6121BS Walnut-M.M. 3mm



▶ K6124PN Ako-Q.M. 3.5mm



▶ K6124QN Ako-Q.M. 3.5mm



▶ K6156PN Zebrawood-Q.M. 3.2mm



▶ K6156QN Zebrawood-Q.M. 3.2mm



▶ K6169FS Paulownia-M.M. 5mm



▶ K6569HS Paulownia
M.M.-3D 3.6mm



▶ K6176AS Elm-M.M. 3.2mm



▶ K6176BS Elm-M.M. 3.2mm



▶ K6176CS Elm-M.M. 3.2mm



▶ K6176DS Elm-M.M. 3.2mm



▶ K6176ES Elm-M.M. 3.2mm



▶ K6176FS Elm-M.M. 3.2mm



▶ K6176GS Elm-M.M. 3.2mm



▶ K6176HS Elm-M.M. 3.2mm



▶ K6176JS Elm-M.M. 3.2mm



▶ K6176KS Elm-M.M. 3.2mm



▶ K6176PS Elm-M.M. 3.2mm



▶ K6176QS Elm-M.M. 3.2mm



▶ K6178BN White Ash-Q.M. 3.2mm



▶ K6178CN White Ash-Q.M. 3.2mm



▶ K6178PN White Ash-Q.M. 3.2mm



▶ K6178QN White Ash-Q.M. 3.2mm



▶ K6178SU White Ash
Figure / Q.M. 3.2mm



▶ K6179BS Red Elm-M.M. 3.2mm



▶ K6179CS Red Elm-M.M. 3.2mm



▶ K6181AN Walnut-Q.M. 3.2mm



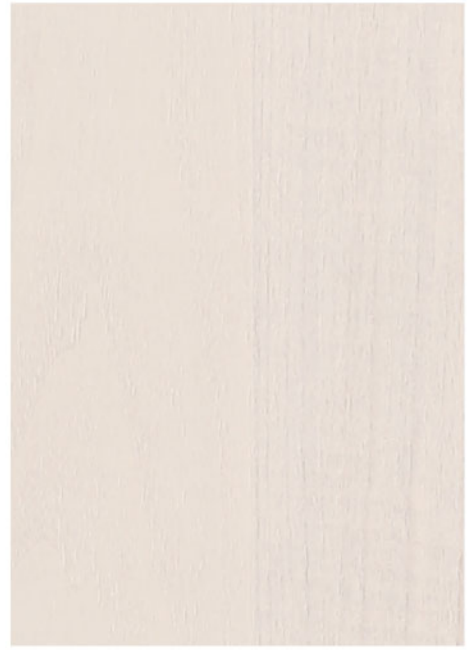
▶ K6181AS Walnut-M.M. 3.2mm



▶ K6181BS Walnut-M.M. 3.2mm



▶ K6181CS Walnut-M.M. 3.2mm



▶ K6181FS Walnut-M.M. 3.2mm



▶ K6186AN Teak-Q.M. 3.2mm



▶ K6186AS Teak-M.M. 3.2mm



▶ K6186BS Teak-M.M. 3.2mm



▶ K6186CS Teak-M.M. 3.2mm



▶ K6187AN White Oak-Q.M. 3.2mm



▶ K6187AS White Oak-M.M. 3.2mm



▶ K6187CS White Oak-M.M. 3.2mm



▶ K6187ES White Oak-M.M. 3.2mm



▶ K6187FS White Oak-M.M. 3.2mm



▶ K6187GS White Oak-M.M. 3.2mm



▶ K6187HS White Oak-M.M. 3.2mm



▶ K6187PN White Oak-Q.M. 3.2mm



▶ K6187QN White Oak-Q.M. 3.2mm



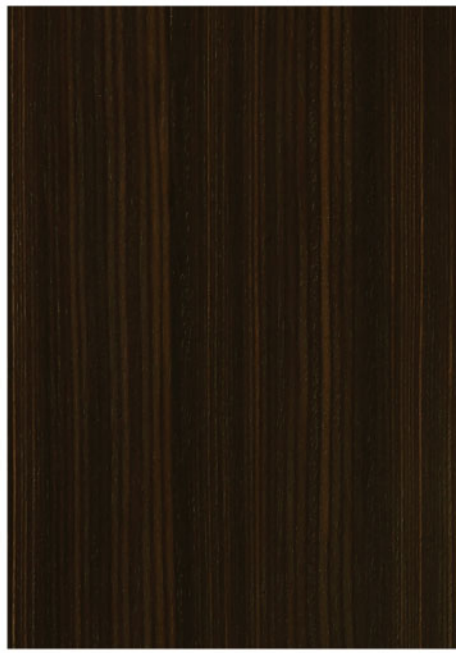
▶ K6187QU White Oak
Figure / Q.M. 3.2mm



▶ K6197AS Ash-M.M. 3.2mm



▶ K6204 White Oak 3mm



▶ K6209 Ebony 3mm



▶ K6227 White Oak 3mm



▶ K6229 Ash 3mm



▶ K6234M White Oak-C.C. 3mm



▶ K6235M Dyed Oak-C.C. 3mm



▶ K6236 Dyed Oak 3mm



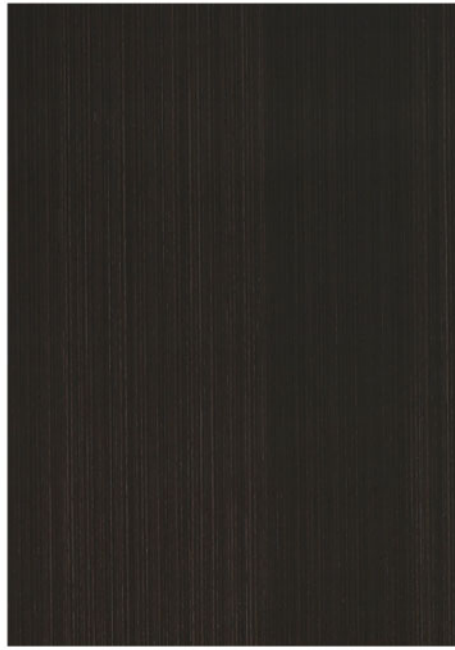
▶ K6236AB Dyed Oak-W.B. 3.3mm



▶ K6237M Dyed Oak-C.C. 3mm



▶ K6251 Walnut 3mm



▶ K6262 Ebony 3mm



▶ K6302 White Oak 3mm



▶ K6305 White Oak 3mm



▶ K6306 White Oak 3mm



▶ K6307 Poplar 3mm



▶ K6309 Dyed Oak 3mm



▶ K6309AB Dyed Oak-W.B. 3.3mm



▶ K6315 Walnut 3mm



▶ K6316 Walnut 3mm



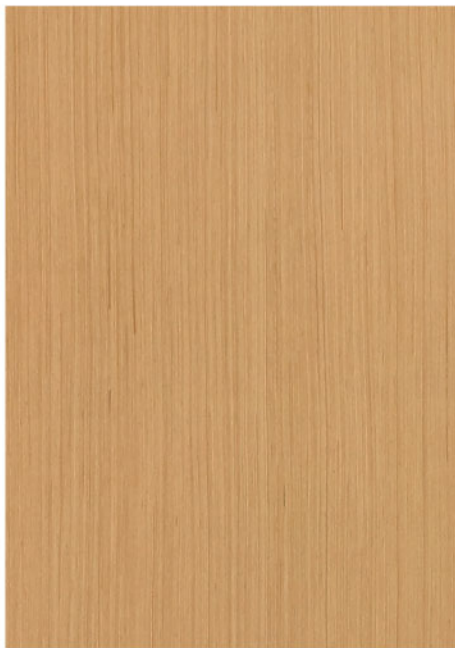
▶ K6333 Poplar 3mm



▶ K6333AR Poplar
Q.M. / Rough-cut 3.3mm



▶ K6334 Poplar 3mm



▶ K6337 Pear 3mm



▶ K6342 Silver Silk 3mm



▶ K6342AR Silver Silk
Q.M. / Rough-cut 3.3mm



▶ K6343 Slate 3mm



▶ K6343AR Slate
Q.M. / Rough-cut 3.3mm



▶ K6349 Poplar 3mm



▶ K6350 Poplar 3mm



▶ K6352 Poplar 3mm



▶ K6353 Poplar 3mm



▶ K6354 Poplar 3mm



▶ K6356 Poplar 3mm



▶ K6358 Poplar 3mm



▶ K6359 Poplar 3mm



▶ K6362 Poplar 3mm



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