# kuvio|wood

PLAITED VENEER

## kuvio|wood | INFORMATION

Plaited veneer opens up a new dimension in design! You can see and touch the fascinating 3D woven patterns of **kuvio**|wood.

**kuvio**|wood comes in eight captivating designs. This extraordinary product is created from individual, pre-sanded leaves of veneer.

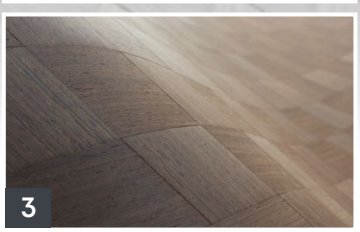
The back is coated with a special fleece (in a shade of brown), which makes the veneer highly versatile and easy to work with. It also ensures the individual strips stay in position. The products from the **kuvio**|wood series are highly durable yet flexible. That makes them ideal for forming and shaping and for work done on challenging surfaces. The leaves can be processed with ease - just like normal spliced veneers and can be pressed without difficulty onto panels using any conventional veneer press.

**kuvio**|wood comes in a standard size of 2440 x 1220 mm with a thickness of 1 to 1.2 mm. The strip width of the designs varies between 20 and 50 mm (horizon), 40 mm (twist) and 80 mm (slope). The surfaces can be finished with varnish or oil. Please feel free to request a sample (90mm x 45mm). Costs for samples in A4 or 60 x 60 cm may vary.

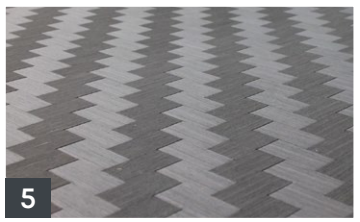
The veneers in the following photos are examples only. Color and structure can vary, depending on the flitch. Small knots and nubs are not defects but wanted, underlining the natural character of the wood.

1 Squares Oak
2 Squares Dark
3 Squares Light
4 Herringbone Oak
5 Herringbone Dark
6 Herringbone Light
7 Plaid Checks Oak
8 Plaid Checks Dark

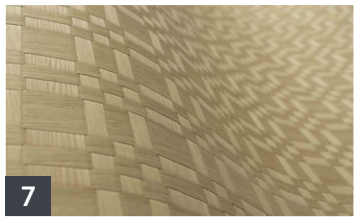














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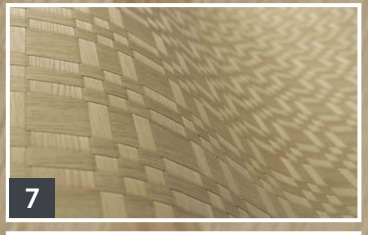
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8

**1 Squares Oak**

Wood: Oak
Standard size: 2440 mm x 1220 mm
Thickness: 1.0 - 1.2 mm
Strip width: 80 mm

*Colour and grain may vary per batch.*

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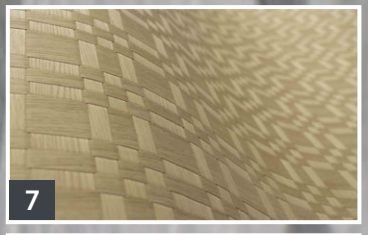



**2 Squares Dark**

Wood: Fineline, Type Gray Oak
Standard size: 2440 mm x 1220 mm
Thickness: 1.0 - 1.2 mm
Strip width: 80 mm

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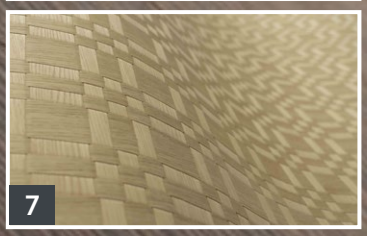



**3 Squares Light**

Wood: Fineline, Type Wenge
Standard size: 2440 mm x 1220 mm
Thickness: 1.0 - 1.2 mm
Strip width: 80 mm

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**4 Herringbone Oak**

Wood: Oak
Standard size: 2440 mm x 1220 mm
Thickness: 1.0 - 1.2 mm
Strip width: 40 mm

*Colour and grain may vary per batch.*

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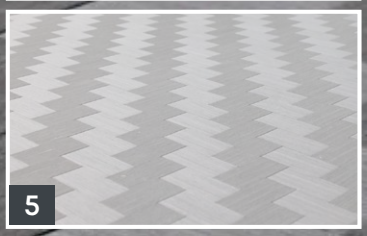



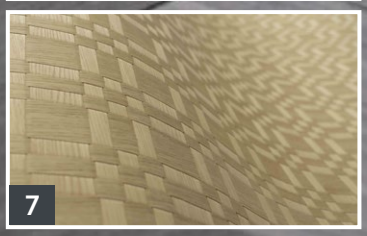


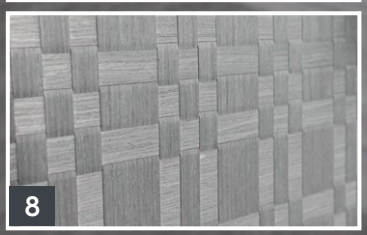


**5 Herringbone Dark**

Wood: Fineline, Type Gray Oak
Standard size: 2440 mm x 1220 mm
Thickness: 1.0 - 1.2 mm
Strip width: 40 mm

*Colour and grain may vary per batch.*

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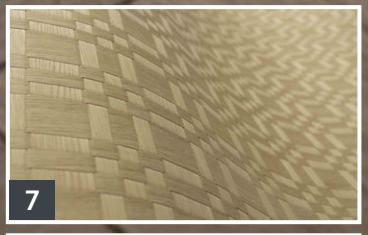



**6 Herringbone Light**

Wood: Fineline, Type Wenge
Standard size: 2440 mm x 1220 mm
Thickness: 1.0 - 1.2 mm
Strip width: 40 mm

*Colour and grain may vary per batch.*

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**7 Plaid Checks Oak**

Wood: Oak
Standard size: 2440 mm x 1220 mm
Thickness: 1.0 - 1.2 mm
Strip width: 20 and 50 mm

*Colour and grain may vary per batch.*

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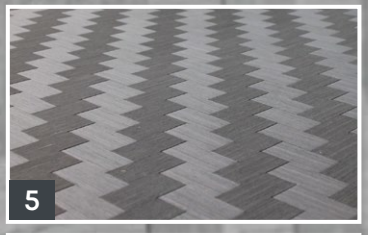



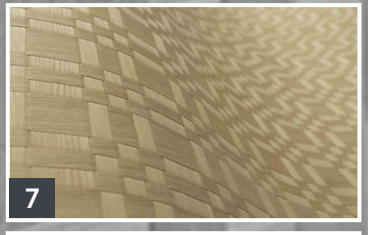



**8 Plaid Checks Dark**

Wood: Fineline, Type Gray Oak
Standard size: 2440 mm x 1220 mm
Thickness: 1.0 - 1.2 mm
Strip width: 20 and 50 mm

*Colour and grain may vary per batch.*

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## kuvio|wood | EXCLUSIVE

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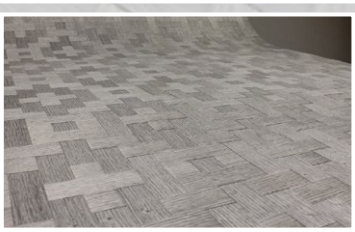


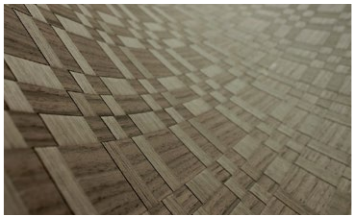

# BRING ON YOUR CHALLENGES

Besides the eight available designs in **kuvio**|wood we also offer customized variants. We cover even highly specialized customer requirements for the most bespoke projects.

Flexible combinations can be made with more than 100 species of wood. Many patterns from the weaving industry can be realized. The only requirement being the minimum width of 2 cm for the individual strips.

There are multiple sizes to choose from. **kuvio**|wood **EXCLUSIVE** can be produced up to a maximum size of about 3,050 x 1,220 mm. Depending on the complexity of the design and the amount ordered the production time can range from two to six weeks.

**kuvio**|wood **EXCLUSIVE** can translate your ideas for exclusive designs into reality. If you are interested in **kuvio**|wood **EXCLUSIVE**, Grimmel. VENEERS and That Metal Company will be happy to assist you.

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# kuvio|wood | TECHNICAL DATASHEET

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## DESIGNATION

**kuvio**|wood is produced from individual, pre-sanded veneer sheets. It is a decorative multilaminated real wood veneer - Fineline.

## WEIGHT AND COMPOSITION

Poplar Wood, Ayous Wood or Basswood: 70-80%
Resins: 16-26%
Dyes: < 1%
Moisture content: min 4%- max 14%
Being a wood product, Fineline's moisture content may vary depending on environmental conditions during transport and storage.

## WOOD DENSITY

450-900 kg/sq.m. (measured in compliance with standard IS9427)

## FORMALDEHYDE EMISSION

In compliance with E1 (analyzed according to EN 717). On request there are two levels of formaldehyde emissions below the E1 standard: BE - Fineline with a formaldehyde emission level equal to a fraction of the E1 standard. ZeroF - Fineline without added formaldehyde. It is in any event impossible to guarantee a complete absence of formaldehyde in Fineline wood veneers as formaldehyde is a naturally-occurring substance in wood.

## LIGHT FASTNESS

Fineline is not a finished product and, therefore its resistance to light in part depends on the cycle and chemical nature of the finish. We advise that discoloring may occur. It is recommended to perform advance tests depending upon the particular purpose and intended use in order to optimize results.

## MECHANICAL SPECIFICATIONS

The mechanical characteristics of Fineline depend on the cycle and chemical nature of the finish and the type of backing. It is recommended that the buyer perform prior tests depending upon the particular purpose and intended use in order to optimize results.

In the case of composite elements which do not have a homogeneous structure, we cannot accept any warranty for distortion.

COLOR AND STRUCTURE

As Fineline is a natural product, the actual colour and texture may vary slightly.

## STORAGE

Fineline consists mainly of wood. Therefore, the moisture content may vary depending on storage and factory conditions. Therefore we recommend to store the veneer at a humidity of 40% to 70% (rH) and a temperature of +20°C.

## GLUEING WITH UREA GLUES

Fineline can be glued to all wood surfaces with urea glue. The different surfaces must be tested and analysed on a individual basis. The amount of adhesive required per square metre depends on the nature and thickness of the substrate, the veneer structure (longitudinal wood, root wood, etc.), the veneer thickness and the contact pressure. We generally recommend not to use more than 150 g/qm adhesive at a contact pressure of 1.5 to 5 bar. The recommended temperature for veneering is between 85°C and 120°C. The adhesive can be mixed with organic or inorganic binders to influence its rheological properties. This prevents the veneer from penetrating through the layers. Products with the Linde base wood should be glued to the corresponding substrate with at least 120-140 g/sq.m. urea adhesive.

## SANDING

Single Fineline strips, which are plaited to **kuvio**|wood, are pre-sanded. The sanding process is performed with grain sizes of 100, 120 and 150.

## VARNISHING

As with all other types of wood, **kuvio**|wood must be varnished with a suitable product. The selected varnish should be able to preserve the wood in the best

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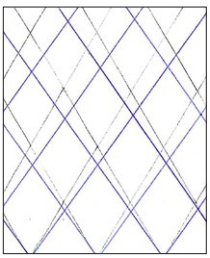
possible way and protect it from chemical and physical decomposition (light ageing, thermal decomposition) and from mechanical damage (scratches, shocks, etc.). **kuvio**|wood can be stained without any particular problems, which is even expressly recommended for better lightfastness. **kuvio**|wood can be painted with all products and methods recommended for wood treatment. However, the best results are obtained with products that have the following characteristics:

- High degree of wettability
- Strong anti-yellowing properties
- High UV protection factor

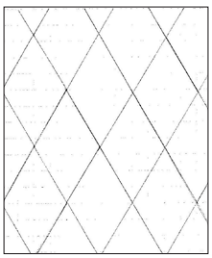
In the case of water-based varnishes, care should be taken to ensure that the product has a certain stability at an acid pH value (4 to 6), as is the case with products specially developed for acid hardwood. It is highly recommended to follow the manufacturer's instructions and test the varnish before varnishing.

## GEOMETRIC SHAPES

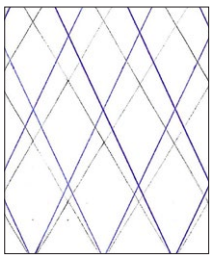
Due to the handmade production, there may be deviations in the individual designs for each production batch. This applies both to the distances between individual veneer strips (possible offset of up to 2 cm) and to the degree of plaiting, which in the case of diagonally braided veneer strips can be approx. ±5° offset (see illustration below).



Plait degree 55°



Plait degree 60°



Plait degree 65°

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