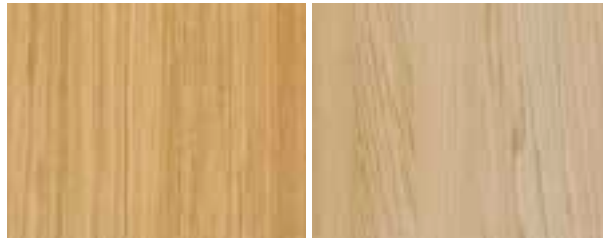


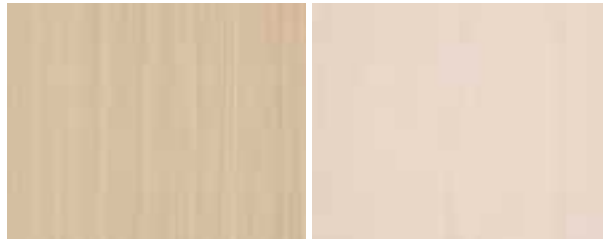
OVERVIEW

sandy beaches 4 natural tones



Natural Oak pag. 8-9

Ivory Oak pag. 10-11



Milk Oak pag. 12-13

Chalk Ash pag. 14-15

mountain walk 6 grey tones



Desert Oak pag. 18-19

Manhattan Oak pag. 20-21

Granite Walnut pag. 22-23



Dusk Fraké pag. 24-25

Stone Triba pag. 26-27

Mineral Triba pag. 28-29

autumn forest 3 earth tones



Frozen Walnut pag. 32-33

Cinnamon Triba pag. 34-35

Smoked Walnut pag. 36-37

nightfall 3 dark tones



Stardust Walnut pag. 40-41

Chocolate Oak pag. 42-43

Raven Oak pag. 44-45

SHINNOKI®

prefinished wood panels

Shinnoki is a range of ready-to-use veneered panels for interior applications marked by contemporary designs, a high and consistent quality, easy processing and inexpensive. Shinnoki has the desired look and benefits of a panel made with solid hardwood lumber, without any of the disadvantages. Shinnoki panels guarantee uniform quality with the natural, lively appearance of wood, both visually and sensorial. They fit easily into any commercial, retail, hospitality or residential project and offers limitless possibilities for millwork applications such as kitchen cabinets, wardrobes and office interiors.

Important for Shinnoki is our signature mix matching technique developed over decades of experience. By combining wood veneer from different trees and with varying slicing techniques, one obtains continuous surfaces without optical interruptions. The result is a uniform quality without compromising on the vibrant aspect of wood.

A GENUINE WOOD TOP LAYER

The top layer of Shinnoki is a sheet of real wood veneer, assembled according our unique mixmatch technique. The surface is gently brushed, stained and lacquered with a soft-touch acrylate urethane lacquer. The result is a pleasant touching surface where the protection, the natural feel and exclusive appearance of the wood are well-balanced.



What is mixmatch?

In order to obtain a uniform surface, with different pieces of furniture forming a whole, wood veneer from different trees with varying slicing techniques is selected and randomly spliced into a sheet. Thus we get a view of a solid wood without the downsides such as weight and curvature. Each board is different and yet matching, which leads to more ease of use and less trouble.

SUSTAINABLE SOLUTION



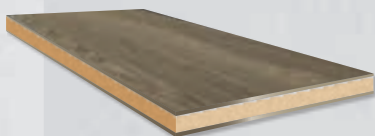
As a leading manufacturer of veneer based products with a number of branches in Europe, we are aware of our responsibilities in terms of our environmental impact. Respect for nature and ecologically sound business practices are an unconditional basic principle. We are aware of the importance of considering the future and being aware of the environment when doing business.

We use exclusively green energy for the production of Shinnoki. One third of it comes from the solar panels on the roofs of our production hall. The rest is externally purchased green energy. We have also shown our commitment to sustainable energy production by participating in the "Grensland" wind farm in Menen.

Shinnoki optimizes the use of wood by processing this raw material as a veneer. The applied mixmatch technology results in maximum yield and efficiency.

For staining and lacquering, Decospan chose for the most environmentally friendly technology without harmful emissions. Both the MDF core and the top layer in real wood veneer are FSC® certified to guarantee responsible forestry. Shinnoki also complies with the strictest requirements for indoor air quality (formaldehyde emissions). The glues, stains and varnishes that we use to make Shinnoki do not contain urea formaldehyde or other harmful VOCs (volatile organic compounds).

SHINNOKI panels



Panels with a high quality MDF core

Shinnoki prefinished panels are made up of a top layer of veneer, an 18 mm - 11/16" MDF core and a balance layer on the back for stability. This range of wood veneered panels does not need any further finishing. There is almost no limit to the ways it can be used - from kitchens to wardrobes in the home market, and from offices to bars or restaurant furnishings in the project market.

Double-sided panels

These panels are finished the same way on both sides with the Shinnoki design and protection technology. They come with a transparent foil layer to protect the boards during transportation and handling that is simple to remove.

Single-sided panels

For applications where only one side of the panel is constantly visible, the single-sided Shinnoki panels are a great cost-effective alternative. These boards are finished on one side with the Shinnoki design. To guarantee the stability, a balance veneer is needed. We chose for a technical veneer which is stained and lacquered to be a reasonably matching balancer pertaining to the front side. Both sides have a protective foil which is easy to remove.

2790 x 1240 x 19 mm (4' x 9' x 3/4" - 48.8" x 109.8")

SHINNOKI laminates

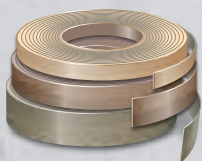


Veneered laminates for unlimited possibilities

Shinnoki prefinished veneered laminates are made up of stained and lacquered real wood veneers laminated to a paper impregnated with a phenolic resin. The result is a firm but still flexible product that can be applied as easy as a HPL decorative laminate. They are ideal for applications such as interior doors and where specific substrates are required and thus a perfect complement to Shinnoki panels.

2150 x 1000 x 1 mm (3' x 7' x 1/25") or 3050 x 1220 x 1 mm (4' x 10' x 1/25")

SHINNOKI edge banding



The perfect edge finish

For seamless edge finishing, you can rely on our range of prefinished edge bandings in various colours and styles.

There are both **ABS strips** and **veneer strips** available. The veneer edge banding guarantees a refined finish while the ABS is ideal for applications with intensive use.

See pages 68-69 for a complete overview.

0,6 mm Veneer - 24 or 48 mm (15/16" or 1 7/8") x 100 m (328 ft)

1 mm ABS - 24 or 48 mm (15/16" or 1 7/8") x 50 m (164 ft)

SHINNOKI®

prefinished wood panels

DESCRIPTION

Ready-to-use wood veneered panels, brushed, stained and lacquered, requiring no additional finishing.

Available in a range of 16 different designs, adapted to all styles. Thanks to the unique mixmatch technique where veneers from different trees with varying slicing techniques are randomly jointed, the result is a high quality and stable board with the looks of a solid panel. Matching prefinished veneer laminates and edge bandings are also available.

APPLICATIONS

Shinnoki panels are only suited for interior applications. Most common applications are home cabinetry, kitchen fronts, dressings, fixed furniture, reception desks, office cabinets, hotel closets, etc... Shinnoki is not suitable for horizontal use in kitchens, bathrooms or similar humid areas.

TECHNICAL DETAILS

PANELS

- Sizes

Length 2790 mm; Width 1240 mm and Thickness 19 mm - 4' x 9' x 3/4" (48.8" x 109.8" x 3/4")

- Composition

Top layer of real wood veneer stained and UV protected with six layers of UV-lacquer, applied sequentially by means of a rolling technique and intermediate curing; a core of MDF with high density of 730kg/m³ and a backing layer of veneer. The double-sided panels are both sides equally finished with the Shinnoki design. The single-sided panels have a backing of technical veneer which is stained and lacquered to ensure a reasonably match with the front side in order to guarantee stability as well as a perfect protection against moisture.

- Bonding

The HPLT-press procedure used by Decospan (High Pressure Low Temperature) guarantees the best quality for each panel. The bonding is done according to the DSI-method, which ensures complete saturation of the wood fibers and tightens the top layer to a large extent.

- Finishing

Stained with water-based colorants and protected with six layers ultra-low emitting acrylate urethane UV-cured varnish (99.5% solids), applied sequentially by means of a rolling technique and intermediate curing; Matt finish (10% gloss)

- Protection

Removable transparent protective foil on both sides.

- Packaging

Single-sided Shinnoki panels: 25 panels per pack.

Gross dimensions per pack: 2800x1250x580 mm (49.2" x 110.2" x 22.8").

Gross weight per pack: 1200 kg (2646 lbs)

Double-sided Shinnoki panels: 15 panels per pack.

Gross dimensions per pack: 2800x1250x390 mm (49.2" x 110.2" x 15.4"). Gross weight per pack: 720 kg (1587 lbs). If the stamp on the edge of the board can be read normally, the top of the board is the side with the Shinnoki design.

LAMINATES

- Sizes

Shinnoki laminates are available in two dimensions: 3050x1220x1mm - 4' x 10' x 1/25" (48.0" x 118.1" x 1/25") and 2150x1000x1mm - 3' x 7' x 1/25" (39.3" x 84.6" x 1/25").

- Composition

Top layer of real wood veneer laminated to a paper impregnated with a phenolic resin.

- Finishing

Stained with water-based colorants and protected with six layers of ultra-low emitting acrylate urethane UV-cured varnish (99.5% solids), applied sequentially by means of a rolling technique and intermediate curing; Matt finish (10% gloss)

- Packaging

< 5pc. = box

≥ 5pc. = pallet (flat)

EDGE BANDING

Available as prefinished, through and through colored, not pre-glued 0,6mm veneer edge banding as well as 1 mm (1/25") ABS edge banding. Both options come in 24 mm (15/16") and 48 mm (1 7/8") height. The 0.6 mm (1/42") veneer edge bands are wrapped per roll of 100m (328 ft). The color and structure of the ABS-edges are aligned with the Shinnoki designs. These are available per rolls of 50m (164 ft).

CORRECTION PENS

Correction pens in matching colors are available for small corrections to panels or edges.

STORAGE, HANDLING & PROCESSING INSTRUCTIONS

For the storage, handling & processing of Shinnoki we refer to www.shinnoki.com.

MAINTENANCE TIPS

Shinnoki panels are finished with 6 layers acrylate urethane lacquer and thus easy to maintain. Normal maintenance involves no more than removing dust with a soft, dry cloth. A slightly damp cloth can also be used, but be careful not to use too much water. If liquids are spilled, it is recommended that they should be dried off immediately to avoid damp patches being left. Tough dirt can be removed using water and a mild cleaning agent or a detergent. Never use a cleaner based on acetone or ethyl butyl acetate; these substances can leave marks that cannot be removed. Wax and oil can also cause damage.

SUSTAINABILITY

Only green energy is used for the production of Shinnoki. During the production process, no urea formaldehyde is added nor products with harmful VOCs (Volatile Organic Compounds) are used. The MDF and wood veneer comes only from responsible forestry and are FSC® certified. When gluing the veneer layers on the panel, bio energy is used to generate heat.

WARRANTY

Shinnoki is a natural product and is subject to discoloration by UV exposure. See www.shinnoki.com for warranty conditions.

	Test method	panels	laminates
GENERAL PROPERTIES			
Dimensions	EN 14354	2790 x 1240 x 19 mm	2150 x 1000 x 1 mm 3050 x 1220 x 1 mm
Thickness of the top layer	EN 14354	0,6 mm	0,6 mm
Deviation of thickness	EN 14354	≤ 0,5 mm	≤ 0,3 mm
Deviation of squareness	EN 324-2	± 2 mm/m	± 5 mm/m
Cup in width direction	EN 14354	2 ‰	5 ‰
Flatness deviation	EN 14354	3 ‰	5 ‰
Internal bond	EN 319	0,7 N/mm ²	-
Veneer gluing adhesion	EN 204/205	> 1 N/mm ²	≥ 1 N/mm ²
Density	EN 323/EN672	730 kg/m ³	1300 kg/m ³
Layer thickness varnish	EN ISO 2808	± 55 µm	± 55 µm
Moisture content	EN 322	5 ‰ - 9 ‰	5 ‰ - 9 ‰
Warranty	Decospan NV	2 years	2 years
CLASSIFICATION PROPERTIES			
Resistance to chemical agents	EN 423/part 2	class 4	class 4
Resistance to hot liquids	EN 12720	class 5*	class 5*
Resistance to cold liquids: foodstuffs	EN 12720	class 5*	class 5*
Resistance to cold liquids: household products - detergents, cleaning agents, disinfectants - acetone, ethyl butyl acetate, black ink, black pen	EN 12720	class 5* class 2*	class 5* class 2*
ADDITIONAL PROPERTIES			
Appearance of the lacquer	EN 438/2-5	ok	ok
Gloss	EN 2813	10 ‰ ± 3 ‰	10 ‰ ± 3 ‰
Hardness of the lacquer	DIN 53154	1,5 N	-
Impact resistance acc. to Wegner	EN 438-2/11	≥ 2N	-
Elasticity of the lacquer	CEN/TC112 (Brinell)	2 Hb	2 Hb
Colour fastness	EN 105-B02	grade 6	grade 6
Colour stability	EN 15187	class 4	class 4
Reflectance	EN 13721	45	45
Burning cigarette	EN 438-2,18	class 3	-
Thermal resistance	EN 13986	0,16 m ² K/W	-
Thermal conduction	EN 13986	0,11 W/mK	-
Biological durability	EN 335	2	-
Well managed forests		FSC®	Pure Wood
Resistance to termites		good	good
SAFETY PROPERTIES			
VOC loss	EN 664	< 2,1 ‰	< 2,1 ‰
Formaldehyde emission	E1 (EN 717-1)	E1	E1
Formaldehyde emission	E1 (EN 717-2)	E1	E1
Excudation of plasticizers	EN 665	< 1 ‰	< 2 ‰
PCP (pentachlorophenol)	CEN/TR 14823	< 5 ‰	< 5 ‰

* 5 No visible change

4 Barely visible change in gloss and colour

3 Small changes in gloss or colour; the structure of the tested surface was unchanged

2 Severe marking visible, but the structure of the tested surface was largely undamaged

1 Severe marking visible and the structure of the tested surface was affected

0 Test surface badly affected or destroyed