

## Technical Information – Shinnoki Panels

Ready-to-use wood veneered panels, brushed, stained and lacquered, requiring no additional finishing. Available in a range of 18 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 sheet with the looks of a solid panel. Matching prefinished veneered laminates and edge bandings are also available.

<b>1</b>	<b>GENERAL DESCRIPTION</b>
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**Type:** Shinnoki prefinished panels are made up of 2 layers of veneer, with an 18 mm - 11/16" thick MDF in between. 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 homes and offices, to bars and restaurants.

Depending on your needs and purposes, Shinnoki panels come in two different executions:

- **EXCLUSIVE:** The very best that Shinnoki has to offer. Both sides of the panel have Shinnoki quality veneer, for the most harmonious look available.
- **PREMIUM:** Shinnoki quality veneer on the front side. The back has the Shinnoki look and feel, while allowing for a bit more character in the veneer.

**Dimensions:** 2790 x 1240 x 19 mm // 4' x 9' x 3/4"

**Thickness:** MDF board: 18 mm, veneer: 0,6 mm<sup>1</sup>

**Splicing method:** Mixmatch

**Compositions:** 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 a high density of 700 kg/m<sup>3</sup> (±50 kg/m<sup>3</sup>) and a backing layer of veneer.

**Bonding:** The HPLT (High Pressure Low Temperature) press procedure used by Decospan guarantees the best quality for each panel. The process follows the DSI-method, ensuring complete saturation of the wood fibers and a significantly tight bond.

**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; mat finish (2 ±1), semi-mat finish (7 ±3).

**Protection:** Panels made with our Exclusive execution have removable transparent protective foil on both sides. Panels made with our Premium execution have removable transparent protective foil on the front side and green protective foil on the back side.

**Packaging:** 25 panels per pack. Gross dimensions per pack: 2800 x 1250 x 580 mm / 49.2" x 110.2" x 22.8". Gross weight per pack: 1200 kg // 2646 lbs.

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<sup>1</sup> Keep in mind that this is the thickness of the veneer before we process it. The final thickness may vary.

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**Edge banding:** Available as prefinished, unglued 0,6mm veneer edge banding in a range of colors, 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 roll of 50m // 164 ft.

**Finishing pens:** Correction pens in matching colors are available for small corrections to panels or edges. The color pen is matched with the Shinnoki look and the mat varnish pen guarantees the same feel as the original panel.

**Applications:** Shinnoki panels are best suited for interior applications and easily fit into any commercial, retail, hospitality or residential project. Common applications include home or office cabinets, kitchen fronts, dressings, fixed furniture, reception desks, hotel closets, etc. Shinnoki panels are suitable for horizontal use but are not recommended for horizontal use in kitchen, bathroom, or similarly humid areas.

**Care:** Normal maintenance involves no more than removing dust with a soft, dry cloth. A slightly damp cloth can also be used, but avoid using too much water. If liquids are spilled, it is recommended that they are dried immediately. 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 without consulting Decospan, as these substances can leave marks that cannot be removed. Wax and oil based products can also cause damage.

**2 TECHNICAL DATA**

<b>General properties</b>			
	<b>TEST METHOD</b>	<b>PANELS</b>	<b>UNIT</b>
Dimensions		2790 x 1240 x 19	Mm
Deviation in squareness	EN324-2	± 2	Mm/m
Thickness of the top layer		0,6	Mm
Deviation in thickness		≤ 0.5	Mm
Flexural strength	EN310	20.0 ± 5	N/mm <sup>2</sup>
Adhesion wooden top layer	EN204/205	≥ 1	N/mm <sup>2</sup>
Internal adhesion	EN319	0.45 ± 0.05	N/mm <sup>2</sup>
Density	EN323	700 ± 50	Kg/m <sup>3</sup>
Guarantee	Decospan NV	5 years	

<b>Classification properties</b>			
	<b>TEST METHOD</b>	<b>PANELS</b>	<b>UNIT</b>
Chemical resistance	EN 12720	Separate sheet	

<b>Additional features</b>			
	<b>TEST METHOD</b>	<b>PANELS</b>	<b>UNIT</b>
Gloss level lacquer	EN 2813	Separate sheet	
Resistance to scratches	EN 438-2/30 B	Class 5	
Wear resistance	EN 14354 / D	600	Turns
Resistance to impressions - Wegner	EN 438-2/20	≥ 4	N
Brinell hardness	EN 1534	≥ 6	HB
Color stability	EN 15187	Separate sheet	
Reflection (LRV)	EN 13721	Separate sheet	
Thermal conductivity	EN 13986	0,11 - 0,13	W/mK
Biological durability	EN 335	Class 1	
Well-managed forests		FSC®	

<b>Safety features</b>			
	<b>TEST METHOD</b>	<b>PANELS</b>	<b>UNIT</b>
Fire classification	EN 13501-1	D-s <sub>1</sub> -d <sub>0</sub>	
Formaldehyde emission	EN 717-1	E1	
	TSCA Title VI compliant platform with NAF <sup>2</sup> glue		
REACH		Compliant	
PCP (pentachlorophenol)	CEN/TR 14823	<5	Ppm

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