

Technical info

Shinnoki panels – www.shinnoki.com

SHINNOKI panels

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 sheet with the looks of a solid panel. Matching prefinished veneered laminates and edge bandings are also available.

1	DESCRIPTION
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Type: Shinnoki is a range of ready-made wood veneered panels: brushed, stained and lacquered, so that they do not need any further finishing. The veneer is mixmatch jointed in order to obtain a more uniform quality and it is available in an exclusive color palette of 16 contemporary tints. Matching edge bandings and laminates are available. The Shinnoki laminate is a bendable sheet made up of stained and lacquered real wood veneers laminated to a paper impregnated with a phenolic resin.

Thickness: MDF panel: 18 mm, veneer: 0.6 mm¹

Splicing method: mixmatch

Finishing:

- Environmentally friendly acrylate urethane UV-cured varnish (99.5% solids)
- Matt finish (10% gloss, +/- 3%)
- Stained using water-based varnishes

Protection: Removable transparent protective foil on both sides

Packaging:

Single-sided Shinnoki panels:

25 panels per pack, with the top panel upside down and protected with a cardboard cover sheet. Gross dimensions per pack: 2800x1250x580 mm (49.2" x 110.2" x 22.8"). Gross weight per pack: 1200 kg (2646lbs)

Double-sided Shinnoki panels:

15 panels per pack, with the top panel upside down and protected with a cardboard cover sheet. 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.

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

Technical info

Shinnoki panels – www.shinnoki.com

SHINNOKI panels

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).

Correcting pens: Correcting pens in the matching colors are available for small corrections to the panels or edges.

2 TECHNICAL DATA MANUFACTURER

GENERAL PROPERTIES

	TEST METHOD	PANELS
Dimensions	EN14354	2790 x 1240 x 19 mm 4' x 9' x 3/4" (48.8" x 109.8" x 3/4")
Thickness of the top layer	EN14354	0,6 mm
Deviation of thickness	EN14354	≤ 0,5 mm
Deviation of squareness	EN324-2	± 2 mm/m
Cup in width direction	EN14354	2%
Flatness deviation	EN14354	3%
Internal bond	EN319	0,70 N/mm ²
Veneer gluing adhesion	EN204/205	≥ 1 N/mm ²
Density	EN323/EN672	730 kg/m ³
Layer thickness varnish	EN ISO 2808	±55 µm
Moisture content	EN322	5%-9%
Warranty	Decospan NV	2 years

Technical info

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SHINNOKI panels

CLASSIFICATION PROPERTIES		
Resistance to indentation	EN 1534	≥15 N/mm ²
Adhesion of the lacquer	EN ISO 2409	class ≤ 2
Swelling in thickness after immersion in water	EN 317	< 8%
Abrasion resistance	CEN/TS 15185	>800 revolutions
Dry heat	NF D 60 050 art 10 (16h 70°C)	grade 5
Scratch resistance	EN 438-2 art 25	F ≥ 3,5N
Bonding surfaces and edges	NF D 60 050 art 13	grade 3
Resistance to chemical agents	EN 423/part 2	grade 4
Resistance to hot liquids	EN 12720	grade 5 *
Resistance to cold liquids: food products	EN 12720	grade 5 *
Resistance to cold liquids: - detergents & cleaning agents - acetone, ethyl butyl acetate	EN 12720	grade 5* grade 2*

Additional Properties		
Appearance of the lacquer	EN 438/2-5	ok
Gloss	EN 2813	10% ± 3%
Hardness of the lacquer	DIN 53154	1,5 N
Impact resistance acc. to Wegner	EN 438-2/11	≥ 2 N
Elasticity of the lacquer	CEN/TC112 (Brinell)	2Hb
Color fastness	EN 105-B02	grade > 6
Color stability	EN 15187	grade 4
Reflectance	EN 13721	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 335-1/EN335-2	pure wood
Well managed forests		FSC®
Resistance to termites		good

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SHINNOKI panels

Safety Properties		
VOC loss	EN 664	<2,1%
Formaldehyde emission	E1 (EN 717-1)	E1 non added formaldehyde
Formaldehyde emission	E1 (EN 717-2)	E1 non added formaldehyde
Exudation of plasticizers	EN 665	<1%
PCP (pentachlorophenol)	CEN/TR 14823	PCP free

- * 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.

4 OTHER DOCUMENTS

- Shinnoki folder
- Specification sheets
- Pure Wood Charter
- FSC® Certificate



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		4/12/2017	Page: 4