

1	DESCRIPTION
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Type: Shinnoki is a range of ready-made wood veneer sheets and panels: brushed, stained and lacquered, so that they do not need any further finishing. The veneer is mixmatch joined in order to obtain more uniform quality and it is available in an exclusive color palette of 17 contemporary tints. Matching edge bandings are available. The Shinnoki Tri-ply is a flexible sheet consisting of three sheets of veneer. The top layer is colored and varnished in such way that the wooden structure is still visible and touchable.

Thickness: MDF panel:18 mm, veneer: 0.6 mm (*)

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

Splicing method: Mixmatch splicing

Finishing:

- Environmentally friendly acrylate urethane UV-cured varnish (99.5% solids, very low solvent emission)
- Matt finish (10% gloss)
- Stained using water-based varnishes

Protection: Removable transparent protective foil

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"x110.2"x22.8").
Gross weight per pack: 1200 kg (2646 lbs).

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"x110.2"x15.4").
Gross weight per pack: 720 kg (1587 lbs).

Shinnoki Ply:

Loose sheets of wood veneer (3-ply) obtainable per 5 pcs. The gross dimensions of the sheets: 3000x1220x1.5 mm – 4'x9'x1/17" (48.0"x118.1"x1/17") and they are packed in black plastic and protected for transportation.

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Edge banding:

The edge bandings are available in matching colors, both pre-glued for manual gluing or without adhesive, for gluing with an edge strip gluing machine. The 0.6 mm veneer edge bandings are packaged per roll: the overall length of a non-glued roll is 100m-328 ft (widths of 24 m-15/16" and 44 mm-1-5/8") and a pre-glued roll is 50m-164 ft (width 24 mm-15/16"). Edge bandings of 1 mm are also available in ABS (a kind of PVC). The color and structure are designed to fit the Shinnoki designs. These are available in widths of 24mm-15/16" and 44mm-1-5/8" and in rolls of 50m-164 ft.


Correcting pens:

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

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TECHNICAL DATA MANUFACTURER

	TEST METHOD	PANELS	3-PLY
General Properties			
Dimensions	EN14354	2790 x 1240 x 19 mm	3000 x 1220 x 1,7 mm
Thickness of the top layer	EN14354	0,6 mm	0,6 mm
Deviation of thickness	EN14354	≤ 0,5 mm	≤ 0,2 mm
Deviation of squareness	EN324-2	± 2 mm/m	± 5 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	depends on wood species
Layer thickness varnish	EN ISO 2808	±55 µm	±55 µm
Moisture content	EN322	5%-9%	/
Warranty	Decospan NV	2 years	2 years

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Classification Properties			
Resistance to indentation	EN 1534	≥15 N/mm ²	/
Adhesion of the lacquer	EN ISO 2409	class ≤ 2	class ≤ 2
Swelling in thickness after immersion in water	EN 317	< 8%	/
Abrasion resistance	CEN/TS 15185	>800 revolutions	>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	F ≥ 3,5N
Bonding surfaces and edges (Phase 2)	NF D 60 050 art 13	grade 3	grade 3
Resistance to chemical agents	EN 423/part 2	grade 4	grade 4
Resistance to hot liquids	EN 12720	grade 5 *	grade 5 *
Resistance to cold liquids: food products	EN 12720	grade 5 *	grade 5 *
Resistance to cold liquids: household products	EN 12720	grade 5* (detergent, cleaning solution, disinfectant) grade 2* (acetone, ethyl-butylacetate, black marker, stamping ink)	grade 5* (detergent, cleaning solution, disinfectant) grade 2* (acetone, ethyl-butylacetate, black marker, stamping ink)

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	≥ 2 N	/
Elasticity of the lacquer	CEN/TC112 (Brinell)	2Hb	2Hb
Color fastness	EN 105-B02	grade > 6	grade > 6
Color stability	EN 15187	grade 4	grade 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 335-1/EN335-2	pure wood	pure wood
Well managed forests		see table FSC	see table FSC
Resistance to termites		good	/

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Safety Properties			
VOC loss	EN 664	<2,1%	<2,1%
Formaldehyde emission	E1 (EN 717-1)	E1 non added	E1 (<013 ppm)
		formaldehyde	
Formaldehyde emission	E1 (EN 717-2)	E1 non added	E1 (<3,5 mg/m ³ h)
		formaldehyde	
Exudation of plasticizers	EN 665	<1%	0%
PCP (pentachlorophenol)	CEN/TR 14823	PCP free	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
- Product fiches
- Pure Wood Charter
- FSC® Certificate



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