

## PRODUCT SPECIFICATION SHEET

### DESCRIPTION

Ready-to-use wood veneered panels and veneer laminates, brushed, stained and lacquered, requiring no additional finishing. The Manhattan Oak look combines European White Oak veneer with Manhattan colour staining.

All panels have a homogenous, planked surface thanks to the mixmatch jointing technique where veneers from different trees and varying slicing techniques are randomly jointed.

### TECHNICAL SPECIFICATIONS

Classification Properties		
	TEST METHOD	
Resistance to chemical agents	EN 12720	No change in 24h for the following: <i>water, cleaning detergent, ethanol, red wine, oil, coffee, thee, milk, mustard</i> No change in 2 min for the following: <i>ammonia, acetone</i>
Gloss	EN 2813	2 +- 1 (60°)
Scratch resistance	EN 438-2/30 B	Class 5
Wear resistance	EN 14354 / D	600 turns
Impact resistance - Wegner	EN 438-2/20	≥ 4 N
Brinell hardness	EN 1534	≥ 6 HB
Color stability	EN 15187	Class 4/5
Reflectance (LRV)	EN 13721	70
Biological sustainability	EN 335	Class 1
Well managed forests		FSC <sup>®1</sup>
Warranty	Decospan NV	5 years

Safety properties		
	TEST METHOD	
Fire resistance	EN 13501-1	D-s1-d0
Formaldehyde emissions	EN 717-1	E1 (non-added formaldehyde) TSCA Title VI compliant platform with NAF <sup>2</sup> glue
PCP (pentachlorophenol)	CEN/TR 14823	<5 ppm
REACH compliance <sup>3</sup>		The product does not contain any SVHC <sup>4</sup> over 0.1% (w/w)

### APPLICATIONS

Shinnoki Manhattan Oak panels and veneer laminates are best suited for interior applications and are suitable for vertical and horizontal use but are not recommended for horizontal use in kitchen, bathroom, or similarly humid areas. Furthermore, Shinnoki derived acoustical products are available under the Woodcoustics and Astrata Coustics brands and derived decorative beams are available under the Astrata Slats brand.

<sup>1</sup> FSC<sup>®</sup> C095327

<sup>2</sup> Non added formaldehyde

<sup>3</sup> Based on diligent analysis

<sup>4</sup> Substance of Very High Concern [Candidate List of substances of very high concern for Authorisation - ECHA \(europa.eu\)](#)

## MANHATTAN OAK

### MATERIAL DETAILS

- Panels: Prefinished Manhattan Oak panels made up of 2 layers of veneer, with an 18 mm – 11/16” thick MDF, TSCA Title VI compliant board in between.
  - Splicing method: Mixmatch splicing
  - Size: 2790mm long x 1240mm wide x 19mm thick // 4’ wide x 9’ long x ¾” thick
  - 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 a high density of 700 kg/m<sup>3</sup> (±50 kg/m<sup>3</sup>) and a backing layer of veneer.
  - Bonding: HPLT (High Pressure Low Temperature) press procedure according to 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.
  - Executions<sup>5</sup>:
    - **Exclusive: Both sides of the panel have the same quality of veneer. This is advised when both sides of the panel are visible.**
    - **Premium: Advised when only the front side is continuously visible, as the back side of the panel allows more character in the veneer.**
- Laminates: Prefinished Manhattan Oak veneered laminate made up of stained and lacquered real wood veneers, laminated to a paper that is impregnated with a phenolic resin (HPL).
  - Splicing method: Mixmatch splicing
  - Size: 3050mm long x 1220mm wide x 1 mm thick // 4’ wide x 10’ long x 1/25” thick
  - 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 ultra-low emitting acrylate urethane UV-cured varnish (99.5% solids), applied sequentially by means of a rolling technique and intermediate curing.
- Edge banding: Prefinished Manhattan Oak, unglued 0,6mm veneer edge banding as well as 1 mm ABS edge banding perfectly matched to the panels and veneer laminates.

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<sup>5</sup> Red marked text can be deleted according to your choice