



New Leaf is a high performance decorative multilaminar veneer surface designed to overcome historical challenges in traditional veneer manufacturing throughput, material yield, and finish emissions. Additionally, New Leaf veneer surfaces offer the very best in durability and color consistency to ensure high performance.

## RECOMMENDED USES

Anywhere traditional veneers are used. Performance Veneers are a great upgrade over traditional veneers and are ideal for: casework, millwork, doors, fixtures and any other place where you desire a real wood design and higher performance. New Leaf Performance Veneers have added durability that traditional veneers can't deliver.

## PRODUCT DESCRIPTION

**Product 143:** Thickness = 0.029" ± 0.003" (0.74mm ± 0.08mm)

## PRODUCT COMPOSITION

Performance Veneers are made from the following layers:

- Protective polyurethane coating that boosts performance against scratches, dents, fade, and water damage.
- Engineered veneers in a complete range of pre-finished species, cut, stain combinations
- Craft backer to add performance and durability

New Leaf Performance Veneers	Traditional Veneer	Reconstituted/Composite Veneer
PUR Performance Layer	PUR/Acrylic/Melamine Layer	PUR/Acrylic/Layer
	Stain Layer	
Wood Veneer / Pulp Layer	Wood Veneer Layer	Wood Veneer & Dyed Layer
Backer	Backer	Backer

## BASIC LIMITATIONS

Interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

## TOPCOAT FINISHES

- Matte
- Semi-gloss

## FIRE RESPONSE

- Class B (ASTM E-84)

## DESIGNS, COLORS AND FINISHES

Available in the following:

- 37 combinations in all
- 10 species/cut combinations
- 5 stain options

## STANDARD SHEET WIDTHS/LENGTHS

48" (1219mm) / 96" (2438mm) Nominal



New Leaf Performance Veneers are equal or exceed traditional veneers at rates listed in the chart below.

Internal Tests	Traditional Veneer Pre-Cat	Initial Internal Test	Test Methods
Fade/Color Change	3x	3x	ISO 4586 (33)
Wear Resistant	Even	Even	ISO 4586 (11)
Ball Impact-Crack	5x	5x	ISO 4586 (25)
Denting	4x	4x	Visual
Scratch	4x	4x	ISO 4586 (26)
Water Resistance	Even	2x	ISO 4586 (42)
Heat Resistance	2x	2x	ISO 4586 (18)
Stain Resistance	2x	2x	ISO 4586 (31)

## DENSITY

1464 kg/m<sup>3</sup> Measured in compliance with Standard ISO 9427

## STORAGE

New Leaf Performance Veneers should be kept flat in a horizontal position on pallets at a temperature of 75°F (24°C). New Leaf should be conditioned at 45% to 55% relative humidity.

## INSTALLATION: FABRICATION AND ASSEMBLY RECOMMENDATIONS

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

- New Leaf Performance Veneers must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.
- Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types.
- New Leaf is not recommended for tight radius or traditional post-forming processes. Slight bending and cold forming may be achieved.
- To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.
- Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a veneer-clad substrate.
- Take care to ensure an appropriate acclimation between the New Leaf Performance Veneers and the substrate prior to fabrication. Recommended storage temperature is 75°F (24°C). New Leaf Performance Veneer should be conditioned at 45% to 55% relative humidity.
- Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.