Product & Application Guide

GATOR-PLY® LUXCELL® SYN-PLY®
The Premier Collection of Specialty Engineered Wood-Fiber Veneers

GATOR-PLY® backers, SYN-PLY® crossband, and LUXCELL® facer products are described individually on the following pages. General product and application information are covered in this brochure. For additional information and the most current product availability, visit us online at:

www.gatorply.com
www.synply.com
www.luxcell.com

To contact your 3A Composites USA sales representative, technical service representative, or customer service representative:

Phone: (877) 424-9860
FAX: (704) 878-2708
Email: orderdesk@3acomposites.com

Cover Photos Courtesy of: Geiger International, OFS Brands, & Stanley Furniture
**GATOR-PLY® Backers**
The original specialty engineered man-made wood-fiber veneer introduced by 3A Composites over 45 years ago. Backed by outstanding customer and technical service, GATOR-PLY lowers manufacturing costs, simplifies the manufacturing process, and enhances furniture, cabinets, and display fixture quality.

**THREE-PLY CONSTRUCTION**

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HPL / Wood Veneer/LUXCELL® Face

Particleboard / MDF / Plywood Core

GATOR-PLY® / GATOR-PLY® HP / LUXCELL® / Wood Veneer Backer
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**LUXCELL® Facers**
Specialty engineered man-made wood-fiber veneers impregnated with a proprietary resin system. LUXCELL products can be used as a facer and/or backer material and can be painted or printed by the furniture manufacturer in order to meet design specifications. Use them in both three-ply and five-ply panel construction.

**SYN-PLY® Crossband**
The original specialty engineered synthetic crossband impregnated with a proprietary resin system that allows it to be used successfully in five-ply panel construction. SYN-PLY crossband is a better alternative to poplar crossband in both residential and office furniture applications.
GATOR-PLY®

Supporting Your Business

GATOR-PLY® rigid and flexible backers are low formaldehyde, specialty engineered man-made wood-fiber veneers. They have been used for over 45 years as a balancing medium in both three-ply and five-ply panel construction. Special cuts allow for less waste and greater yields with less labor costs.

Leading manufacturers of office furniture, residential furniture, cabinetry and retail-store display fixtures know that using a backer to balance face veneers helps to keep products looking their best. GATOR-PLY helps to prevent warping, provides a smooth, uniform appearance, has no splices or seams, and maintains high quality in your furniture applications.

Available in stock sheets or cut to your specifications and engineered to deliver clean-cut edges, GATOR-PLY comes in more thicknesses and colors than any other backer. There are several product lines developed to meet certain performance and environmental specifications.

NEW! GATOR-PLY HP is a high performance, wood-fiber veneer backer developed for improved overall performance and a low Water Vapor Transmissions Rate (WVTR). The sealed surface of these backers provide enhanced product handling and have achieved GREENGUARD Gold Certification.

GATOR-FLEX is a flexible synthetic backer designed for increased tensile and internal bond strength for use in two-ply veneer constructions. Flexible yet strong, it can be used in curved or flat applications and offers outstanding handling characteristics as well as enhanced tensile strength that results in ease of use, less breakage and superior performance. GATOR-FLEX is eco-friendly, produced with a No Added Formaldehyde (NAF) resin system and achieves GREENGUARD Gold Certification.

GATOR-PLY backers are convenient to use because they accommodate all normal lay-up, trimming and shaping operations commonly practiced in the furniture & cabinet industries. They work well with either particleboard or medium-density fiberboard (MDF). For best results, the core should be thicker than 5/8”. They are not to be used as a substitute for crossband material used in five-ply panel applications.
GATOR-PLY GREEN GATOR-BACKER™ is an economic alternative to conventional wood veneers and high-pressure laminates that are manufactured with no added formaldehyde. GREEN GATOR-BACKER has been awarded GREENGUARD Gold Certification, signifying that it is in compliance with the stringent emission guidelines set by UL's GREENGUARD Standards.

The GREEN GATOR-BACKER is a chemically low-emitting wood-fiber veneer that has been designed to meet industry green initiatives for improved indoor air quality. It is manufactured with an alternative resin system that does not require the addition of formaldehyde.

All GATOR-PLY products are also FSC®-Certified (FSC-C074317).

Important Benefits

- Works with your existing equipment, utilizing the same application process as wood veneers
- Gator-Ply’s color uniformity is superior to other wood backer veneers
- Offers pinpoint screw starting characteristics
- Conserves resources
- Customer service department is ready to offer knowledgeable, professional assistance

Additional Product Information

- Product dimensional changes for rigid & flexible backers are ≤ 1% of gross dimensions in both directions
- Density of products is 40 lbs per msf +/- 10%
- GATOR-PLY products are FSC®-Certified (FSC-C074317)
- Can be requested with a grain orientation
- Class A flame spread rating
- Should be stored in the same environment as the cores and facers to minimize differences in expansion and contraction between panel components
SYN-PLY®, the synthetic crossband, is a specialty engineered man-made wood-fiber veneer impregnated with a proprietary resin system with certain characteristics that allow it to be used successfully in five-ply panel construction.

Are you looking for a better alternative to poplar crossband for your residential and office applications? Look no further! Not only is SYN-PLY crossband more economical with better yields, it’s also more uniform with no lap lines. Available in a light color, there is no show-through even on light finishes. It’s omni-directional so you can lay it any way you’d like, and is perfect for helping to prevent telegraphing from lumber-rimmed cores.

Additional Product Information

• Can be used with normal manufacturing equipment such as standard plywood and feed-through presses
• SYN-PLY products are FSC®-Certified (FSC-C074317)
• Product dimensional changes are ≤ 1% of gross dimensions in both directions
• Density of products is 40 lbs per msf +/- 10%
• Weight per msf is 96 lbs +/- 8 lbs
• Class A flame spread rating
• Should be stored in the same environment as the cores and facers to minimize differences in expansion and contraction between panel components

Important Benefits

• Provides better yields than wood veneers
• Omni-directional product that lays up in any direction
• Uniform and consistent color in Almond
• Consistent availability and short lead times
• Custom sizing: stock sheets or CTS
• Minimizes inventory, labor, and waste
The Facer for Painting & Printing

LUXCELL® facer possesses all of the quality characteristics of the GATOR-PLY backer with an added bonus - it provides manufacturers the option of painting or printing for unique customization of retail-store cabinetry and display fixtures, or individualized office and residential furniture pieces.

It’s a specialty engineered man-made wood-fiber veneer impregnated with a proprietary resin system. LUXCELL minimizes waste and cuts costs because it is available in stock sheets or custom cut-to-size sheets.

Because it’s easy to use in both three-ply and five-ply construction and consistently available, LUXCELL will help you save on labor costs, and it offers the value-added feature of meeting your color and decorating specifications.

Important Benefits
- Allows for design flexibility
- Provides better yields than wood veneers
- Omni-directional product that lays up in any direction
- Uniform colors in Rose Brown, White, or Tan
- Consistent availability and short lead times
- Custom sizing, stock sheets, or CTS
- Minimizes inventory, labor and waste
- Can be used as a facer or backer material

Additional Product Information
- Can be used with normal manufacturing equipment such as standard plywood and feed-through presses
- LUXCELL products are FSC®-Certified (FSC-C074317)
- Product dimensional changes are ≤ 1% of gross dimensions in both directions
- Density of products is 40 lbs per msf +/- 10%
- Can be requested with a grain orientation
- Class A flame spread rating
- Should be stored in the same environment as the cores and backers to minimize differences in expansion and contraction between panel components