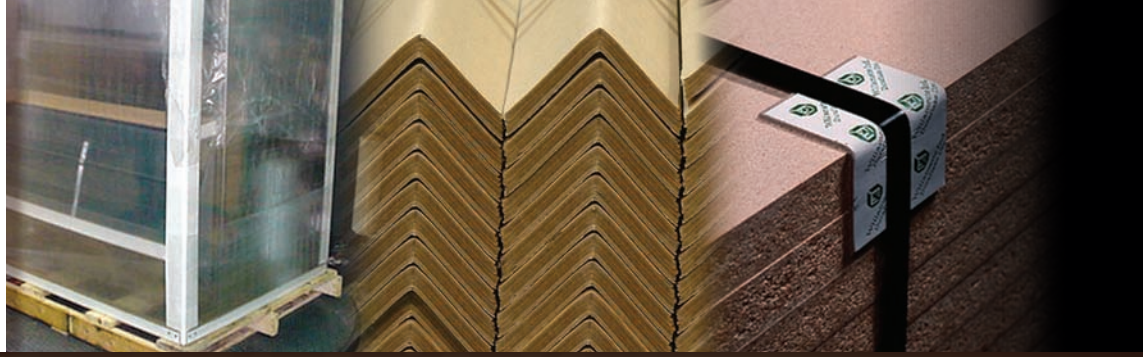


VBoard[®]

Your Competitive Edge



YOUR *FIRST CALL* FOR PROTECTIVE PACKAGING SOLUTIONS



Protect Products

PRESERVE PROFITS.

VBoard® is a simple product that solves a wide range of packaging challenges. Made by laminating recycled paperboard into a rigid right-angle shape, VBoard provides edge protection as well as load containment, stabilization and uniform weight distribution. The variety of sizes, configurations and options available—as well as standard and custom printing—gives VBoard versatility that other products can't match.

When it comes to the practicality and cost-effectiveness of VBoard packaging protection, the applications are essentially endless. Each VBoard product has been engineered to solve a unique protective packaging challenge, and often multiple products can be used together to develop customized, cost-saving solutions.



VBoard®

Made by laminating recycled paperboard into a rigid right-angle shape, VBoard provides edge protection as well as load containment, stabilization and even weight distribution. Available in a wide range of sizes and print options, it easily combines with other materials and converts to a variety of configurations to solve packaging protection challenges simply and affordably.



VGuard®

A shorter version of VBoard, VGuard protects against strapping damage on palletized loads or stacked products. This practical, economical strap protector is made to a high degree of precision to ensure the uniform shape and sizing required for automated application systems. VGuard is available with all custom and standard print options.



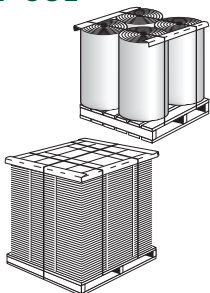
Mega VBoard®

An extra-large version of VBoard, Mega VBoard is available in sizes up to 9" x 9" (2" leg minimum) and a variety of leg lengths and calipers, making it ideal for protecting all types and shapes of windows and doors, including garage doors, or for protecting large irregular-shaped products.

BENEFITS OF USE

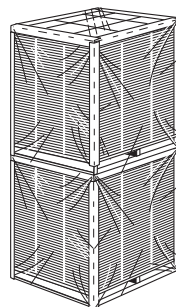
Edge Protection

VBoard products have consistently proven their value by preventing costly damage to the edges of stacked products during strapping, handling, transport and storage.



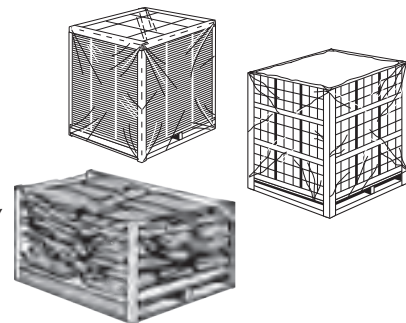
Stacking Strength

VBoard adds stiffness and support to pallet loads. Periodically, VBoard is tested by qualified independent testing laboratories to compare and/or determine stacking strength of various calipers and leg lengths.



Unitizing/Palletizing

Combined with stretch film, VBoard cuts packaging costs by as much as 49% when compared with conventional methods. This combination increases load uniformity and promotes even weight distribution.



Partnering Power

Laminations helps you grow by providing the innovative protective packaging solutions you need, the reliability you want and the value-added partnering commitment you deserve.

CUSTOMIZED PRINTING & LOGO PROGRAM

Add your logo, promotional tagline, handling instructions, product code or other information to your VBoard or VGuard for extra visibility and brand impact. Simply provide us with a business card, letterhead or digital file and we'll mock up a printed sample at no charge.



Print your logo here



Print handling instruction

STANDARD PRINT OPTIONS

Use your edge protection to communicate critical information by adding color and messages; standard print options are available in 23 color choices.



IdentiBoard™ is a convenient way to identify pallets by SKU or other designation.

CautionBoard® is printed with bold diagonal warning stripes that alert workers to fragile or hazardous products.

LibertyLine™ features a striking graphic of the Statue of Liberty and one of two messages: "Grown With Pride in America" or "Made With Pride in America."

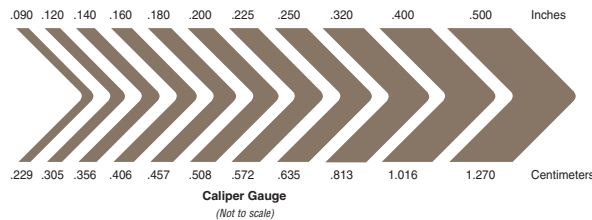
CuttingBoard® reminds pallet handlers to use special care when disassembling your palletized products.

COMMITMENT TO RECYCLING

All Laminations' paperboard products are made from recycled fiber, approximately 80% of which is post-consumer waste and 20% of which is pre-consumer waste. They are also 100% recyclable, and in some cases can be used more than once. Laminations' products provide maximum protection with a minimum amount of packaging material, making them a natural choice for source reduction. By reducing packaging components, everyone decreases costs and environmental impact.

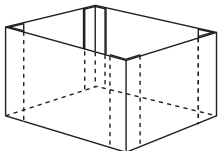
CONFIGURATIONS

The VBoard family of edge protectors offers the widest range of configurations available. VBoard comes in equal leg lengths of 2.0 x 2.0, 2.5 x 2.5, 3.0 x 3.0 and 4.0 x 4.0 inches; offset leg lengths of 1.0 x 3.0, 2.0 x 3.0 and 2.0 x 4.0 inches; piece lengths from 2.5 inches to more than 24 feet; and calipers from 0.090 to 0.500 inches.



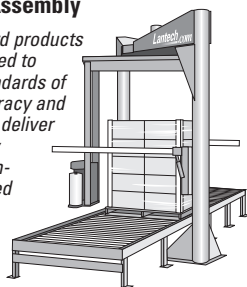
Internal Reinforcement

VBoard products give cartons extra muscle where it's needed, preventing carton breakthrough and enhancing stacking strength.



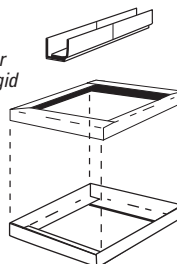
Automated Assembly

Because VBoard products are manufactured to the highest standards of precision, accuracy and uniformity, they deliver the consistency required by high-speed automated pallet systems.



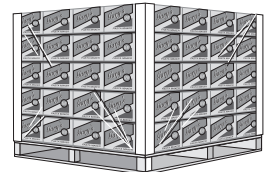
Stabilizing/Containment

PF PalletTop provides superior containment and load stabilization for products that are not rigid or don't nest efficiently, allowing you to safely ship more product per pallet.



Display-Ready Packaging

VBoard products and stretch film combine to make it easy to create secure, appealing display-ready pallets. Meet the growing demand for palletized products that look great in retail displays!





Engineered Solutions

SPECIFICALLY DESIGNED FOR YOUR APPLICATION.

Committed to delivering the value-added resources and support your business needs to succeed, Laminations offers an extensive selection of proven protection products and services. Our diverse offerings allow us to provide innovative protection solutions for products of nearly any size or shape—maximizing packaging effectiveness and your cost savings.



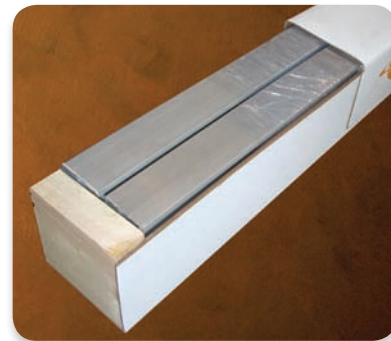
PF PalletTop®

The smart alternative to wood. Patented design forms a sturdy square or rectangular shape to fit tops, sides or bottoms of palletized loads. Stays in place on automated operations.



UChannel®

Three-sided protection for windows and doors. Cost- and time-saving substitute for expensive wood crates or hard-to-handle corrugate. Single-piece construction can be formed into custom sizes.



UCrate®

The ideal choice for long, narrow products. Durable, easy-to-load, cost-effective packaging that provides impact resistance, scuff protection and stackability.



FlatBoard®

Superior customized edge and corner protection for a wide variety of products. Delivered flat to maximize storage, and folds to fit any application.



QuikStik®

The stay-in-place solution. Features proprietary adhesive surface that holds long enough for you to wrap or band your pallet, or load your product, streamlining the packaging process.



PerfBoard™

Perforated protection. Enhances product stackability with the added convenience of perforated legs for fast, snap-off product layer separation.

PACKAGING TECHNICAL SUPPORT

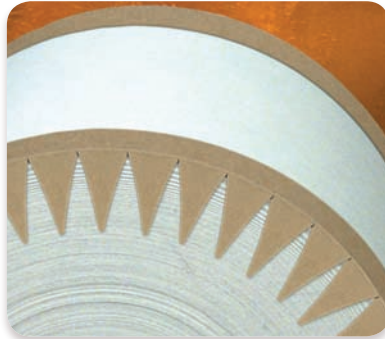
Finding cost-effective packaging solutions for your application is top priority for our experienced on-staff Packaging Engineers. By first auditing your current process, our team gains insight into how—and how efficiently—each variable is used, from materials to assembly to handling and shipping. Alternate packaging options are developed and rigorously tested at our ISTA-certified facilities, then shared with you so, together, we can determine the best protection solution for your unique needs.

For applications requiring specialized customization, our in-house team of Packaging Engineers and Designers give us the depth to respond quickly and accurately with quality protection that fits your unique needs.



FlexBoard®

Heavier-duty protection for contoured products. Evenly spaced, sequential notches allow conformity to almost any shape, making it an ideal solution for protecting coiled and spooled materials.



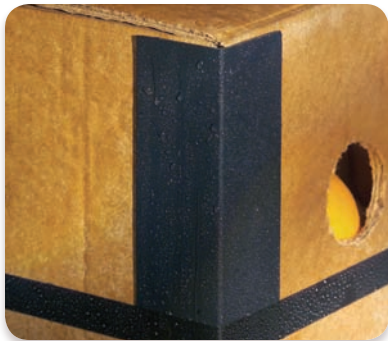
FlexRoll®

Edge protection on a roll. Continuous-length roll with pre-bent pieces that allow for quick and easy application to edges of rolled/contoured products.



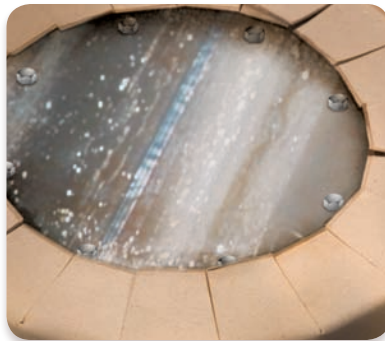
NotchBoard®

Effective corner protection. Features precise die-cut notches and scores that permit it to be hand-folded quickly into a 90-degree corner shape.



Extruded VBoard®

Rely on the performance of plastic. Durable extruded plastic is 100% waterproof. Available in VBoard, VGuard and FlexBoard.



PetroShield®

Ideal for metal parts. Features an engineered coating that keeps oil and grease on the product.



HydroShield®

Water resistant. Ideal for protecting products in humid and wet environments.



On-Time Delivery

WHAT YOU NEED. WHEN YOU NEED IT.

Even the best solutions are only valuable when they're available on time. That's why we are always striving to streamline our processes, procedures and equipment to meet your business's hard-and-fast deadlines.

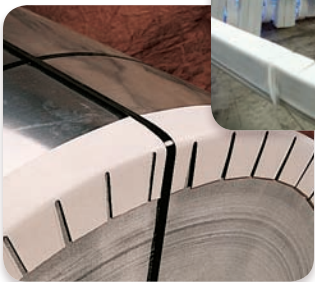
The Laminations guarantee: On time. Every time. We invest in facilities and personnel to expand our reach through our national distribution network—delivering what you need, when you need it, without compromising quality or service. We're not only in the business of delivering premier packaging solutions, but also delivering on promises.

VBoard XPress™

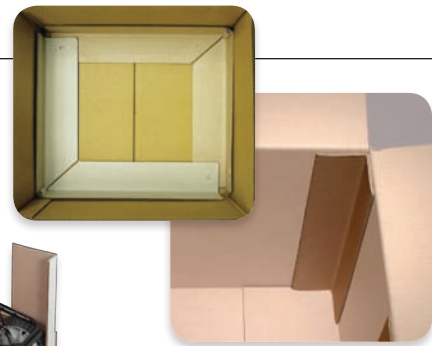
With VBoard XPress, Laminations' 24-hour, guaranteed shipping, the most commonly ordered grades of standard VBoard and VGuard are stocked at our manufacturing plants for next-day shipping to customers.

Applications

IN THE WORKPLACE.



Rounded edge protection



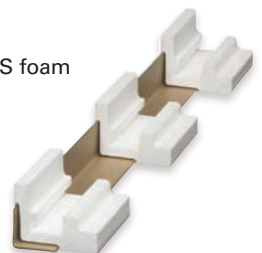
Interior packaging

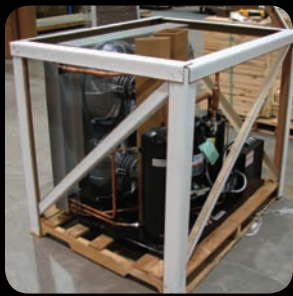


Machine parts



VBoard with EPS foam





Hassle-Free Service

ALWAYS AVAILABLE. READY TO RESPOND.

Customer satisfaction is an integral part of the Laminations philosophy, and at the forefront of everything we do. We invest in your growth at the deepest levels because we've earned our reputation for reliability by earning your trust.

Our multi-tiered approach to service makes us responsive, knowledgeable and readily accessible. Every customer is assigned a sales team that consists of an outside Account Manager, an Inside Sales Partner and a Customer Service Representative dedicated to learning the intricacies of their business and their unique packaging needs. We support each team's efforts with technologically advanced systems and equipment so we remain your *first call* for protective packaging solutions.



Inventory identification



Pallet packaging



Display-ready packaging



Water and oil resistance



VBoard with corrugate

Nationwide Coverage

Laminations has strategically positioned plants and stocking hubs across the United States. Our multiple locations allow us to serve customers expediently and cost-effectively.



East

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Allentown, PA 18106-8804
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610-706-0910
FAX: 610-706-0916



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FAX: 904-741-3155



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www.greatnortherncorp.com

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