



**PRODUCT CATALOG**

# TABLE OF CONTENTS

<b>ABOUT N.A.L. COMPANY</b>	<b>3</b>
<b>SUSTAINABILITY</b>	<b>4</b>
<b>PRODUCTS</b>	<b>6</b>
Corner boards	8
Corner Board Perforation Placement System (CPPS™)	9
Edge Protectors	10
<b>SURFACE PROTECTION</b>	<b>12</b>
NALD Sheets	14
Standard Line Products	
Economy Sheet	16
Choice Coated Sheet	17
Choice Uncoated Sheet	18
Specialty Add-On Options	19
Bundling, Boxing, Clipped Corners, Crush Score, Flagging, Trim 2 Ends, Trim 4 Sides, Printing, Slit Score	
Prime Line Products	
Pro-Coat Sheet	20
Pro-Plain Sheet	21
<b>SPECIALTY CONVERSION</b>	<b>22</b>
Strongbox Technology	24
Original Strongbox, Strong 5-Panel Box, Strong Telescoping 5-Panel Box, Strong Tri-Angle Box, All-Around Box, Strong Void Filler, Strong Telescoping Tri-Angle Box, Telescoping All-Around Box, Strong Scoreboard	
<b>SERVICES</b>	<b>26</b>
Laminating	26
Ream Cutting	26
Rewinding	26
Sheeting	27
Custom Packaging	27

**THANK YOU  
FOR YOUR  
TIME.**

We are excited to assist your needs with our products and services. We look forward to answering all of your questions and working with you on inspiring creative ideas.



6/22/54 FIRST ROLL OF PAPER AT ROYAL FIBER CO.

## ABOUT N.A.L. COMPANY

N.A.L. Company, Inc. is a family-owned business and has been operating for more than 50 years. We possess the knowledge, experience, equipment and passion needed to properly design solutions for your project's development strategy. N.A.L. Company, Inc.'s goal is to provide customers with quality, cost effective packaging solutions with creativity, quick turn around, and first-class customer service. All of our products are carefully crafted and rigorously inspected to ensure you receive the most reliable product in the marketplace.

**Here are just a few of our creatively designed products, add-ons, and services.**



## **SUSTAINABILITY**

WHY USING PAPER-BASED PACKAGING IS HEALTHY FOR MOTHER EARTH.

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At N.A.L. Company®, we have a long history of sustainable business practices and product lines. We utilize recycling programs and constantly improve how we consume water and energy. Our product lines footprint has a **minimal environmental impact and promotes a more sustainable world for our future generations.**

# TIMELINE TO OUR SUSTAINABLE PACKAGING JOURNEY

**1972**

Present- NAL has been an industry leader in development and manufacturing of 100% recyclable packaging products.

**1985**

NAL introduces paper-board slip sheets as an alternative to plastic slip sheets.

**2000**

Corner board and Chipboard products line initiative moves to 100% recycled fiber, 80% post-consumer waste and 20% pre-consumer waste.

**2010**

NAL introduction of CPPS patent

- Eliminates the need for tape, rubber bands
- Reduction in time
- Increased safety

**2022**

Technology improvements. Reduction of materials. Improved recyclability programs



NAL and board mills create alliance for purchasing raw materials in return for scrap bales for recycling

**1980**

NAL increases purchasing of raw materials manufactured from 100% recycled fibrous paperboard and increased recycling programs with board mills.

**1990**

NAL eliminates production of poly-coated chipboard lines.

**2010-2018**

NAL introduces NALD Sheets

- 100% post-consumer content
- 35-40% lighter than standard chipboard
- Less weight = less costs = increased profits

**2019**

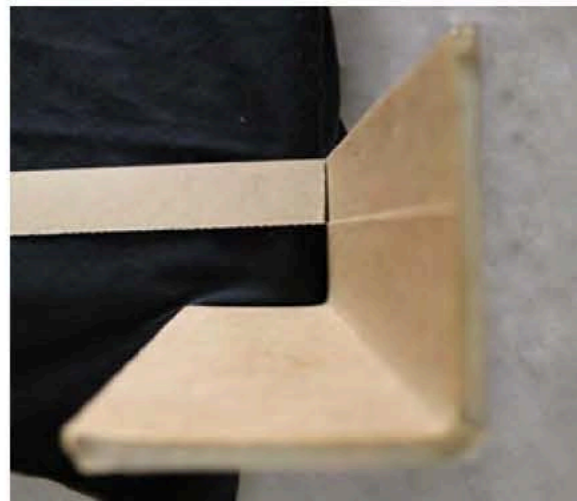
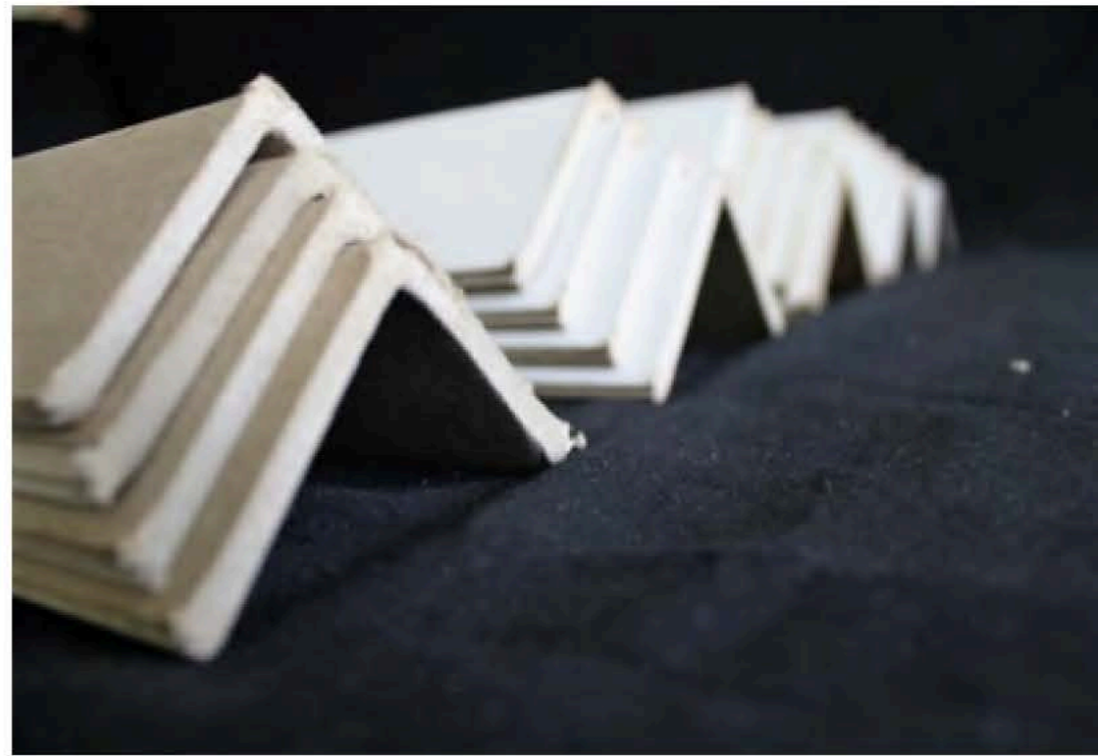
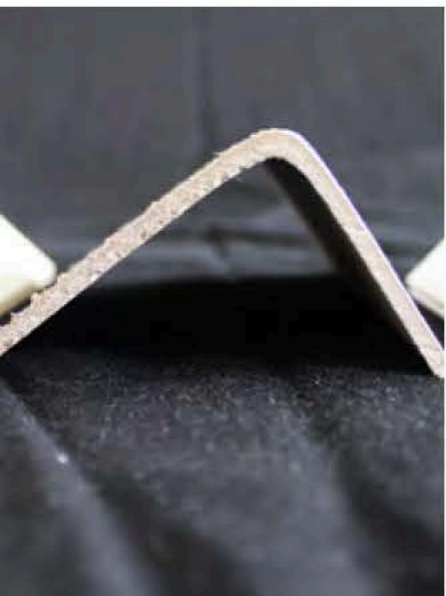
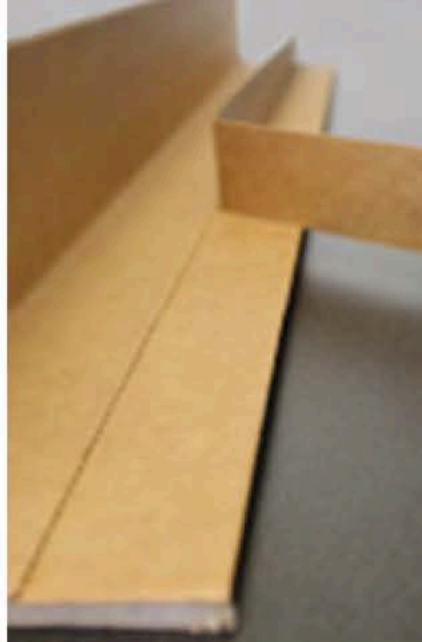
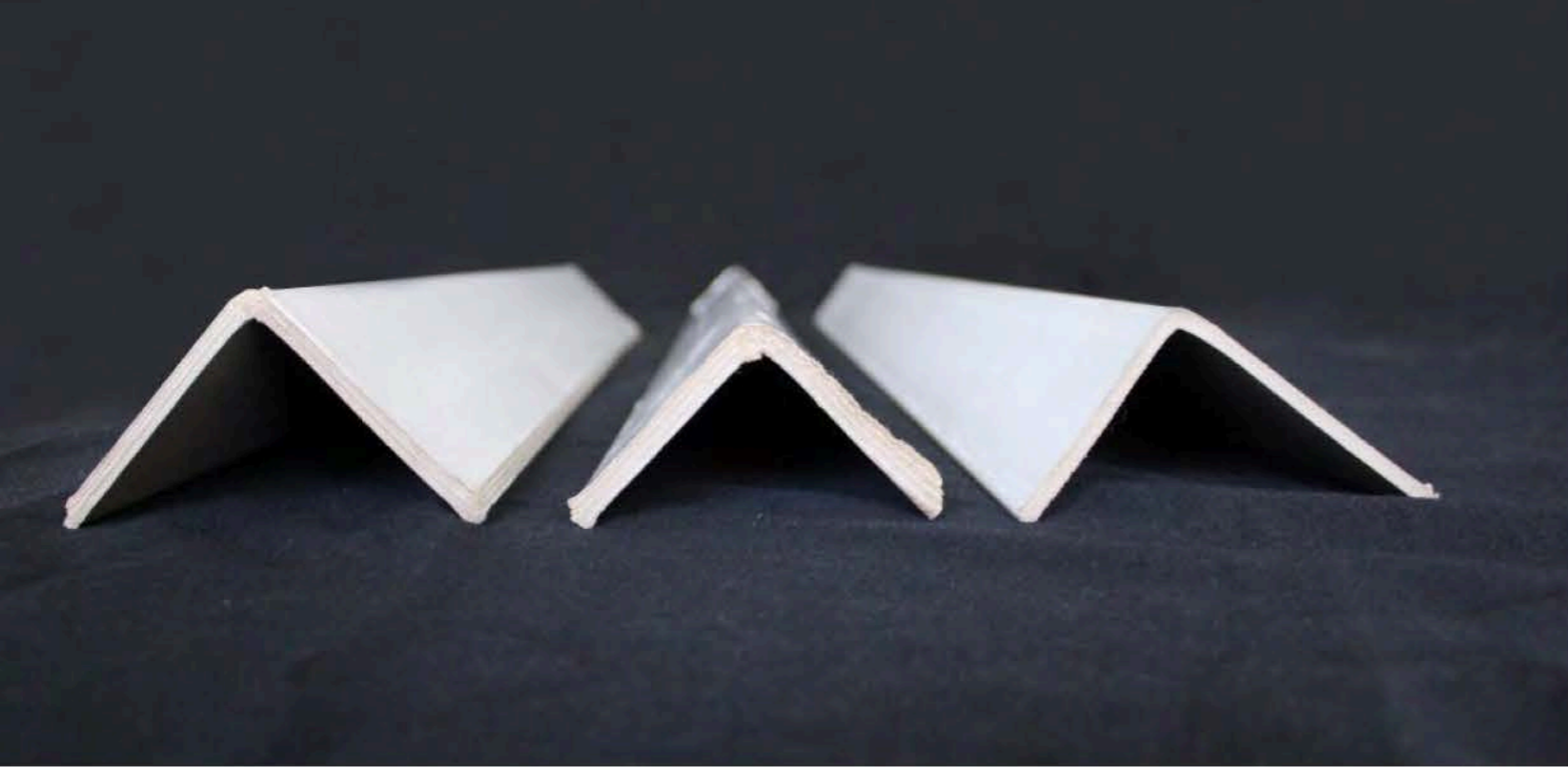


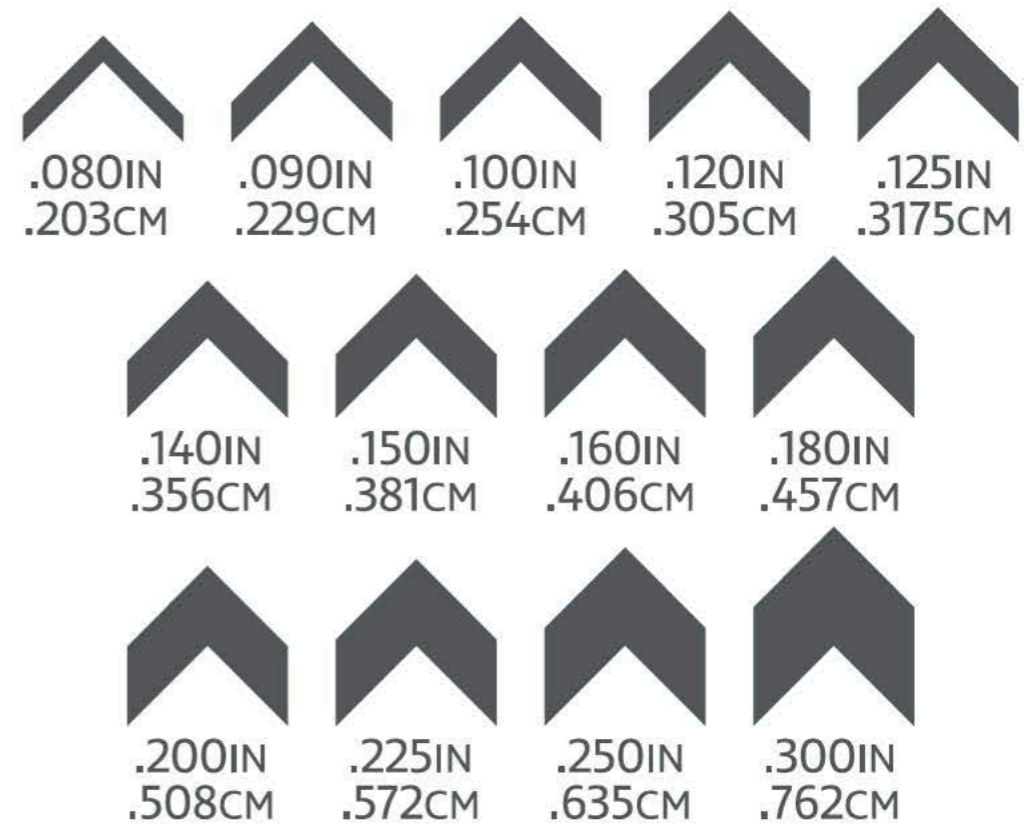
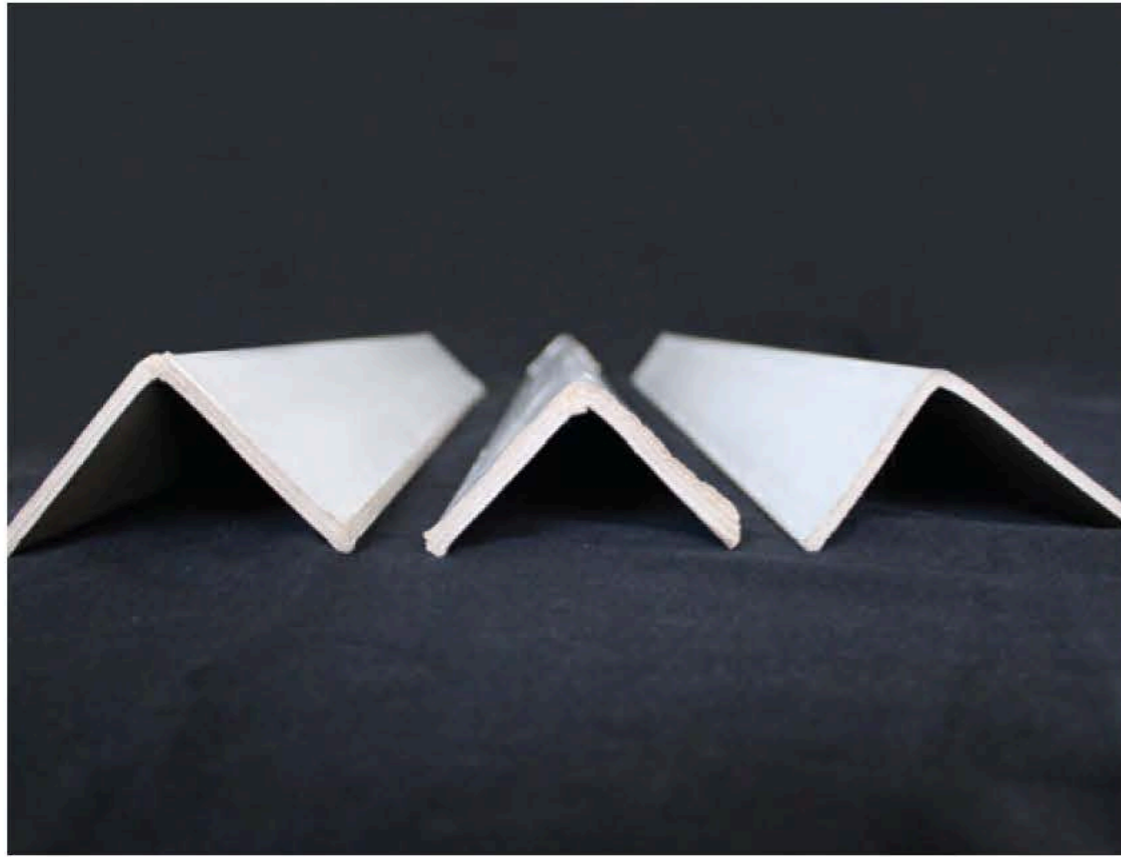
# PRODUCTS

## CORNER BOARDS/EDGE PROTECTORS/CPPS™

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At N.A.L. Company, Inc., we understand that each of your products has different packaging and shipping needs. Our company has over 50 years of experience in using innovative thinking to create the best product for packaging items while keeping **costs, sustainability, and durability in the forefronts of our minds.**





# CORNER BOARDS

## Protective Products

Our Corner Boards are constructed from 100% recycled and recyclable fiber; approximately 80% of which is post-consumer fiber and 20% is pre-consumer fiber. It is a product that solves a wide range of packaging challenges, such as strapping protection as well as load containment, stabilization and uniform weight distribution. The Corner Boards are available in lengths over 12" and are custom palletized. They are fully customizable, with a wide variety of leg sizes, lengths configurations, and options available, as well as standard and custom printing options. **The Corner Board is versatile, practical, and cost effective, offering unmatched performance in comparison to other products in today's marketplace.**

Print options up to 3 colors | Calipers ranging from .080-.300 | Lengths of 12"+

### QUICK EXPLANATION:

Length +12"-240"

Standard Leg sizes: 2x2, 2.5x2.5, and 3x3

Non-Standard Leg size examples:

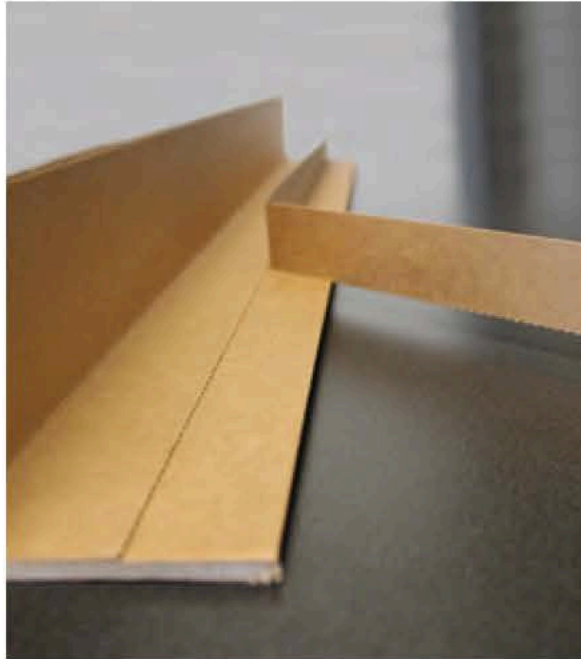
1.5x2.5, 2.5x3.5, and 2x4

Light duty caliper: .080-.140

Medium duty caliper: .150-.180

Heavy duty caliper: .200-.300



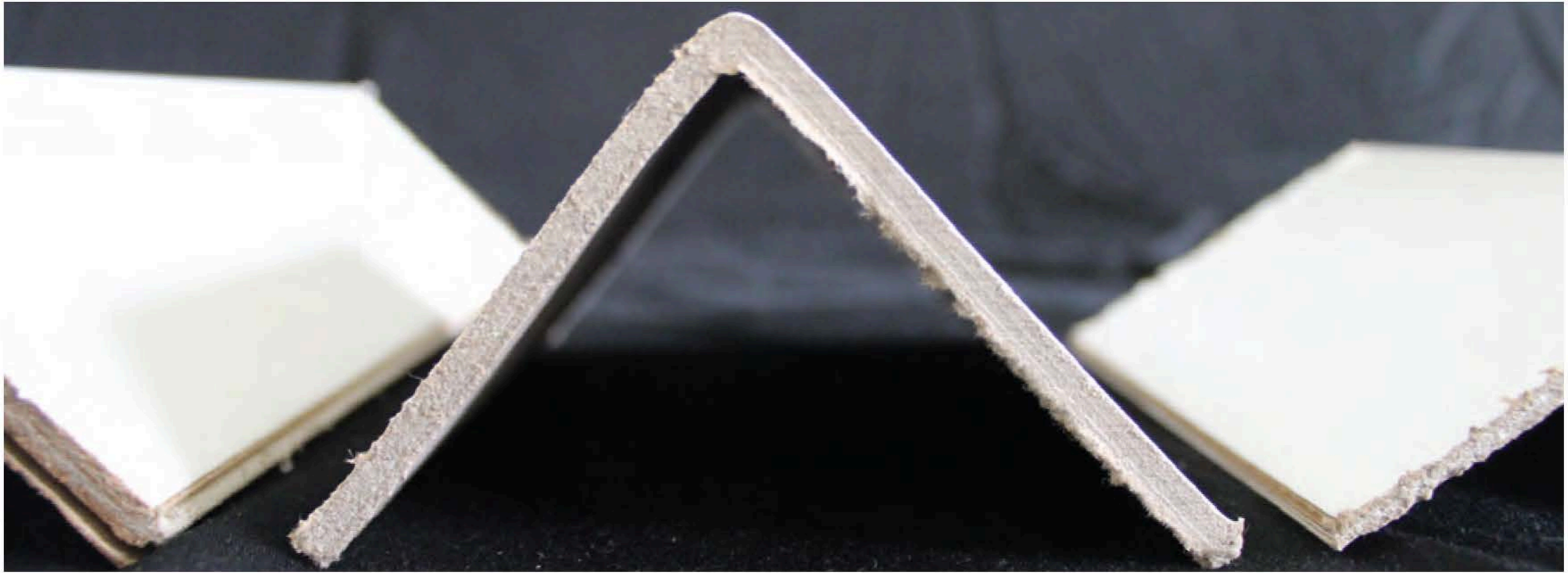


THE PERFORATED TEAR DOWN, ALLOWS THE CORNERBOARD TO BE HELD BY ITSELF ONCE THE CONTENT IS STACKED ON TOP.

## CORNER BOARD PERFORATION PLACEMENT SYSTEM (CPPS™)

Corner Board Perforation Placement System, or CPPS™, patented and trademarked, is made of laminated sheets of paperboard, formed into a 90° angle with a perforated, partially delaminated paperboard located inside the corner board. The product allows tearing motions to create a tag, or ear-flap that will protrude perpendicularly to the corner board, then sandwich between two products to hold the corner board in place while the full product is packed for shipment.

By applying CPPS™ to packaging products, users can save time, resources, and improve safety functions. With the development of this product, we managed to create a product exceedingly useful for manufacturing and packaging industries that had not been developed before. **This product produces very little scrap, occupies very little time, and is cost effective without producing safety issues or ergonomic hazards.**



# EDGE PROTECTORS

## Protective Products

Edge Protectors are a shorter version of our Corner Board product, developed under 12 inches in length and packaged in boxes. The product may range from 2 inches in length to 12 inches, and provides targeted profile protection from the damage caused by cargo straps during the process of shipping and storing of palletized loads, or stacked products. Standard and custom print options up to 3 colors, is available for the Edge Protector product. Custom leg lengths may also be manufactured for special applications.

**Please contact us for specific information.**

### **QUICK EXPLANATION:**

Length 2"-12"

Standard Leg sizes: 2x2, 2.5x2.5, and 3x3

Non-Standard Leg size examples:

1.5x2.5, 2.5x3.5, and 2x4

Light duty caliper: .080-.140

Medium duty caliper: .150-.180

Heavy duty caliper: .200-.300



## **WE PROUDLY USE 100% RECYCLABLE MATERIALS.**

Since 1972 N.A.L. Company has been an industry leader in development and manufacturing of 100% recyclable packaging products. We have been committed to the environment and our customers through creating sustainable packaging products. N.A.L. Company buys recycled boxboard, CCNB, and many other paperboards from numerous mills across the country to convert into Corner Boards, Edge Protectors, Strong Box Technology, and many other products currently on the market today.

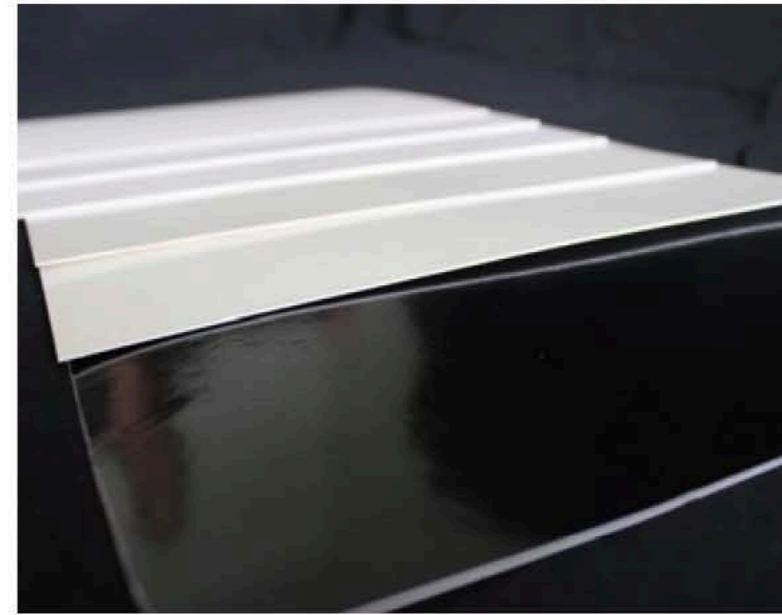
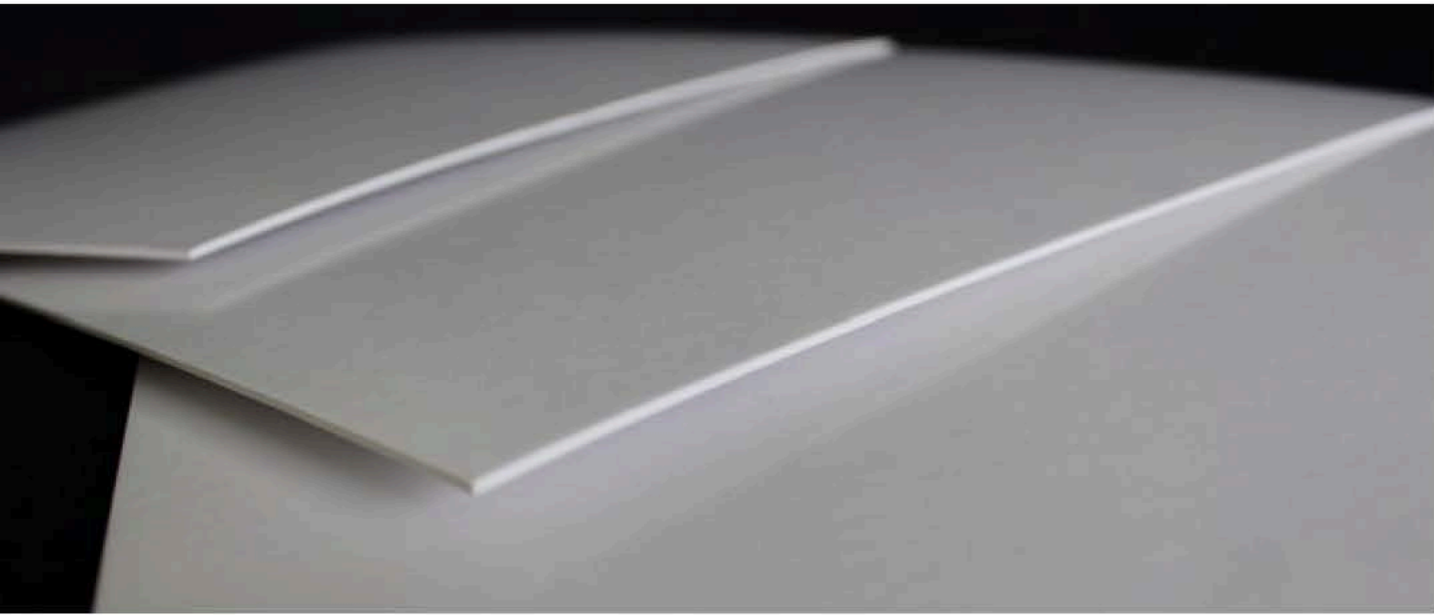
**Please join in to help save our environment by using our 100% recyclable packaging products and eliminate over packaging, non-recyclable packaging, and most of all packaging waste which has become an undesirable trend in today's market place.**

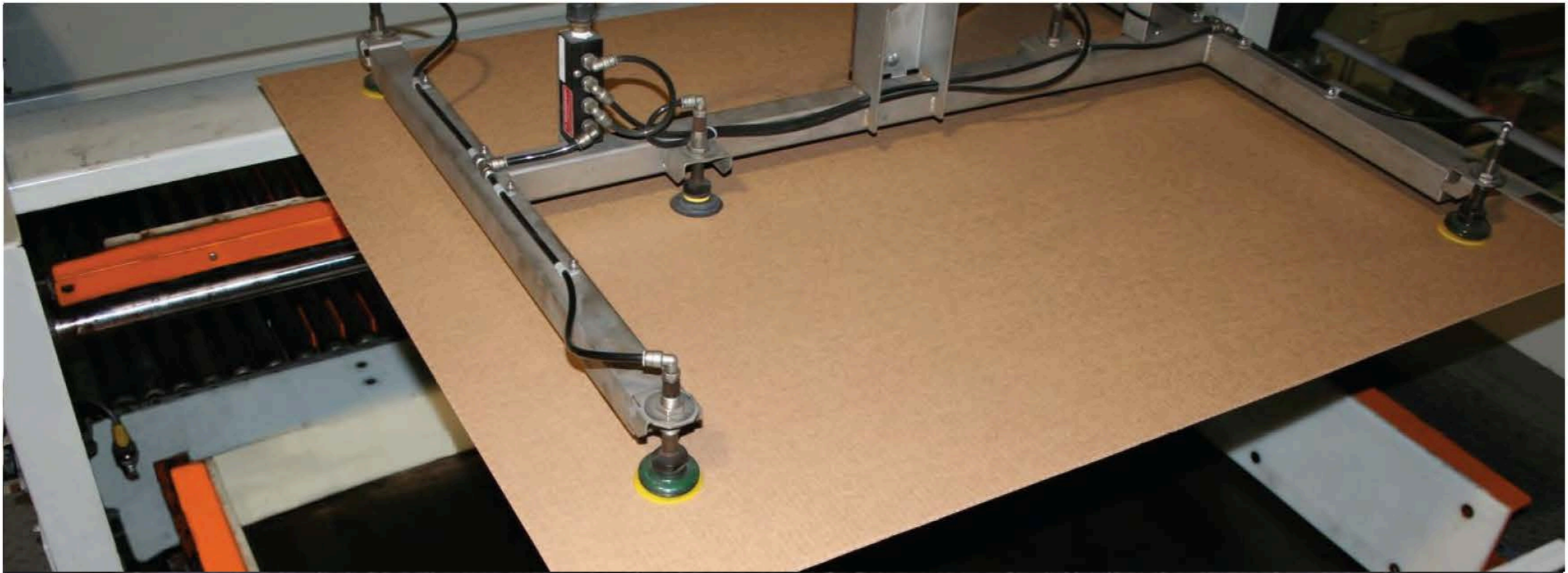
# SURFACE PROTECTION

## STANDARD LINE/PRIME LINE PRODUCTS

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**Delicate products? Protect them with our variety of Surface Protection Products and Chipboards.** These products can be applied to various shaped packages and provide containment, protection, and separation during your product's shipment. Tailor your surface protection needs from our different product classes. N.A.L. Company, Inc also has Optional Value-added Configurations that can be added to your product to enhance its performance.





## **NALD SHEET**

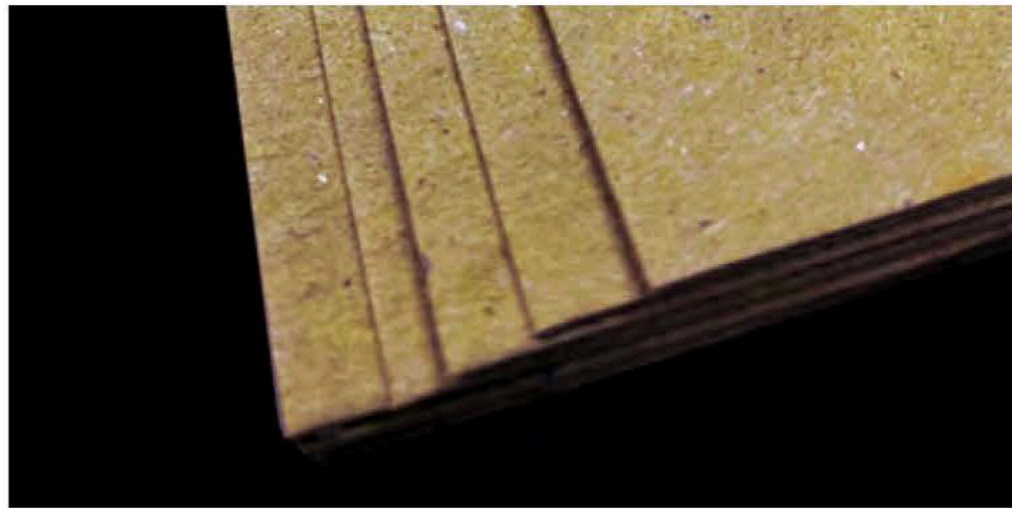
Protective Products

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Designed with automated suction cup work cells in mind.  
Results of test trials at 10" of mercury and 7-8" of mercury on both .020  
and .024 caliper boards. Vacuum is measured by inches of mercury.  
10" of mercury surpassed trials for .024 caliper.  
7-8" of mercury passed trials for .020 caliper.

**Please contact us for specific information.**

**QUICK EXPLANATION:**  
35-40% lighter than standard chipboard  
Consistent color and caliper  
Tolerances:  
=/- .003 caliper, Standard mill dry finish  
48" roll stock: .020 & .024  
40"x48" sheeting material inventoried: .020 & .024



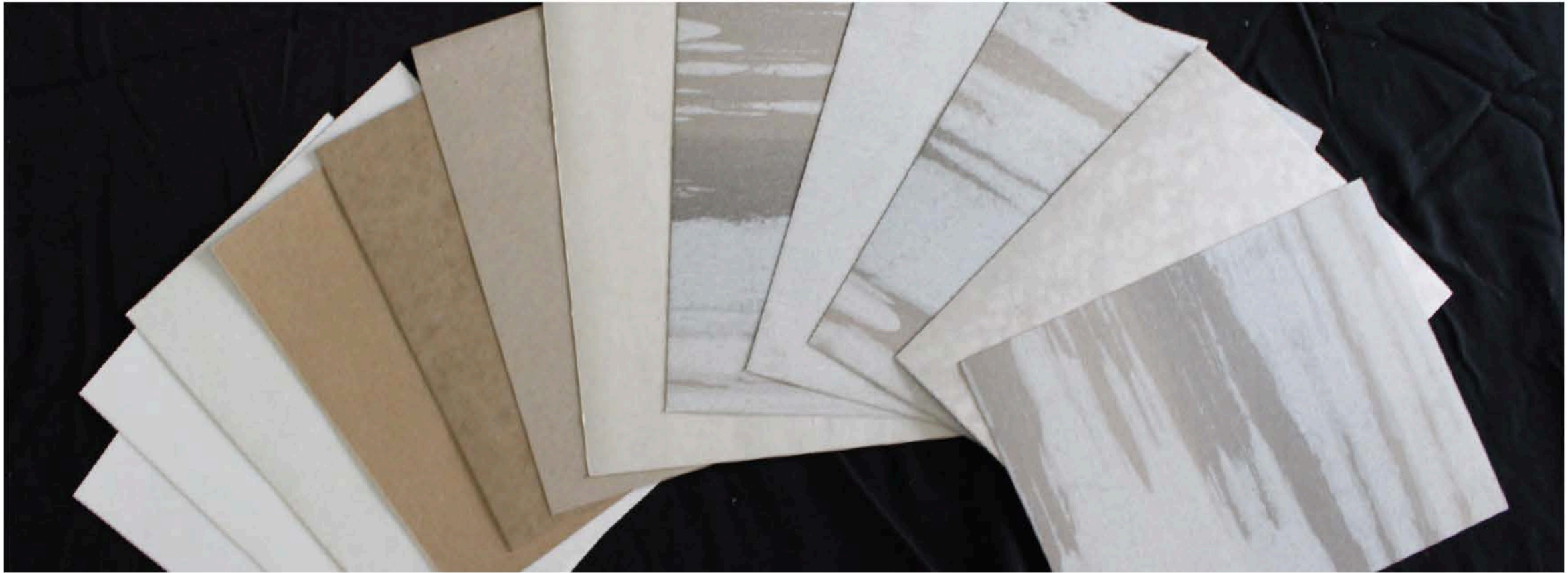
# **NALD SHEET**

## APPLICATIONS

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Protective Product Covering • Pad and Box Liner • Pallet Liner • Tie Sheet, Slip Sheet, Tier Sheet





## ECONOMY SHEET

### Standard Line

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The Economy Sheet is inexpensive, has improved fiber strength, and will provide a smooth packaging surface. This product is comprised of 100% recycled fibrous paperboard from products made only in North America. We have designed this product specifically to resist damage, dirt, and other harmful elements while in transit. This is the most economically priced product line and we will always guarantee a low price. **The Economy Sheet will vary in shades of gray or brown, though non-specific colors and coatings are available.**

#### QUICK EXPLANATION:

Color and coating cannot be specified  
Meaning: any shade of gray, brown, whitish, streak in the coating, or gypsum  
+/- .005" in caliper  
Up to .030" in caliper  
Mill trim grain optional sheet unless specified differently.





# CHOICE COATED SHEET

## Standard Line

The Choice Coated Sheet is manufactured from 100% recycled materials made in North America. The Choice Coated Sheet is a paperboard sheet that has a solid off-white coating that protects it from environmental damage while in transit.

Though this sheet is not recommended for printing, it is especially useful for shipments that require a range of light – heavy-duty protection. **Here are some common applications where choice coated sheets are used: pharmaceuticals, food packaging, furniture, automotive parts, and bagged products.**

### QUICK EXPLANATION:

Full whitish coating – not print quality

Type of board can be specified as to CCNB or CCKB

.013"-.150" in caliper

+/- .003" for calipers .013"-.030 "

+/- .005 for calipers .031"-.150"

Mill trim grain optional sheet unless specified differently.



## CHOICE UNCOATED SHEET

Standard Line

The Choice Uncoated Sheet is also made from 100% recycled, North American-made materials. This product shares many similarities with the Choice Coated Sheet, though it is uncoated and its color typically varies in shades of gray and brown. **The Choice Uncoated Sheet is particularly useful for products such as unprinted folding cartons, dividers, bottle carriers, trays, box blanks, POP displays, pharmaceuticals, food packaging, and boxes.**

### QUICK EXPLANATION:

Any shade of gray or brown

Type of board can be specified as to NB or KB

.013"-.150" in caliper

+/- .003" for calipers .013"-.030"

+/- .005 for calipers .031"-.150"

Mill trim grain optional sheet unless specified differently.

## SPECIALTY ADD-ON OPTIONS ARE AVAILABLE FOR ALL SURFACE PROTECTION AND BOARD PRODUCTS.

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We love to solve problems. If you don't see a solution to your problem, please let us know and we will work with you to get the result you are looking for.

### **Bundling/Boxing**

We physically wrap, bundle, or box a specific number of pieces.\*

\*Please call for quote and more details.

### **Clipped Corners\***

1-4 corners

\*This benefit is to eliminate the point punch through as we stretch wrap materials.

### **Crush Score**

Creates a Relief for a fold  
Caliper ranges from .014-.040  
53" Maximum Finish Width  
1½" Minimum Panel Width

### **Flagging**

The main purpose is to visually ID a specific number of pieces and flag them as such.\*

\*Please call for quote and more details.

### **Trim 2 Ends**

+/- 1/32"

Max Width 80"

Minimum cut 1½"

### **Trim 4 sides**

+/- 1/32"

Max Width 80"

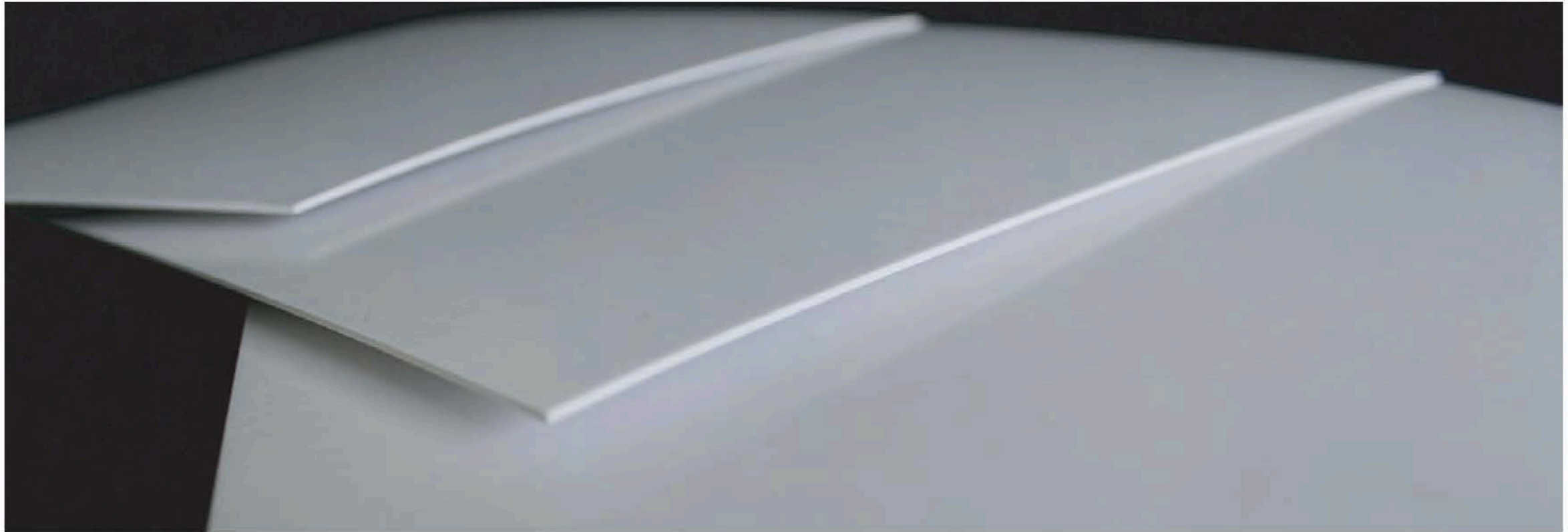
Minimum cut 1½"

### **Printing**

Capabilities of 1 line, single color, random repeat of name, price, logo, ID, number, etc.

### **Slit Score**

Creates a Physical Slice in the Board to Create a Fold  
Caliper ranges from .040-.125  
53" Maximum Finish Width  
1½" Minimum Panel Width



# PRO-COAT SHEET

Prime Line

Pro-Coat Sheet is a higher-grade clay-coated material than our Choice Coated product. It is the highest standard grade of board available on the market today. Pro-Coat Sheets are best utilized for limited printing uses for industries such as shipping, automotive, contract packaging, furniture, steel, food, and palletizing drums. The Pro-Coat Sheet is made from paper stock and bleached sulfate pulp. This sheet is constructed from 100% recycled and recyclable materials, such as recycled newspapers and kraft paper. Both news and kraft backed, clay-coated sheets are available in calipers ranging from light duty applications of .012 to .030 to heavy weight applications ranges include 0.31 to .150. **This sheet can be used for pallet top and bottoms , slip sheets, tier sheets, folding cartons, dividers, separators, bottle carriers, trays, heavy and light duty protection, backers, box blanks, POP displays, pharmaceuticals, board games, food packaging, boxes, and signage.**

## QUICK EXPLANATION:

- White printable coating
- Choose from CCNB or CCKB
- Length 3.5"-240" +/-1/8"
- Min/max width-3.5"-60"
  - .012"-.150" in caliper
- Light Duty .012"-.030" +/- .003"
- Heavy Duty .031"-.150" +/- .005"



## PRO-PLAIN SHEET

Prime Line

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The Pro-Plain Sheet is produced from uncoated paperboard stock and has closer tolerances and color variations than our Choice-Uncoated Sheet. It is an unlined board made of recycled paper stock in thickness ranging from .016 to .150 of an inch. This product is produced in speckled brown or gray colors— you may choose whichever tone you prefer. Pro-Plain Sheets are useful for industries such as notebook pads, stiffeners for mailers, shipping, automotive, contract packaging, furniture, steel, food, packaged bag products, and palletizing drums. **The Pro-Plain Sheets are most commonly used for pallet top and bottoms, slip sheets, tier sheets, unprinted folding cartons, dividers, separators, trays, bottle carriers, heavy and light duty protection, backers, box blanks, POP displays, pharmaceuticals, food packaging, board games, and boxes.**

### QUICK EXPLANATION:

- Choose from solid brown or gray in color
- Choose board substrate either NB or KB
- Length 3.5"-240" +/-1/8"
- Min/max width-3.5"-60"
  - .012"-.150" in caliper
- Light Duty .012"-.030" +/- .003"
- Heavy Duty .031"-.150" +/- .005"

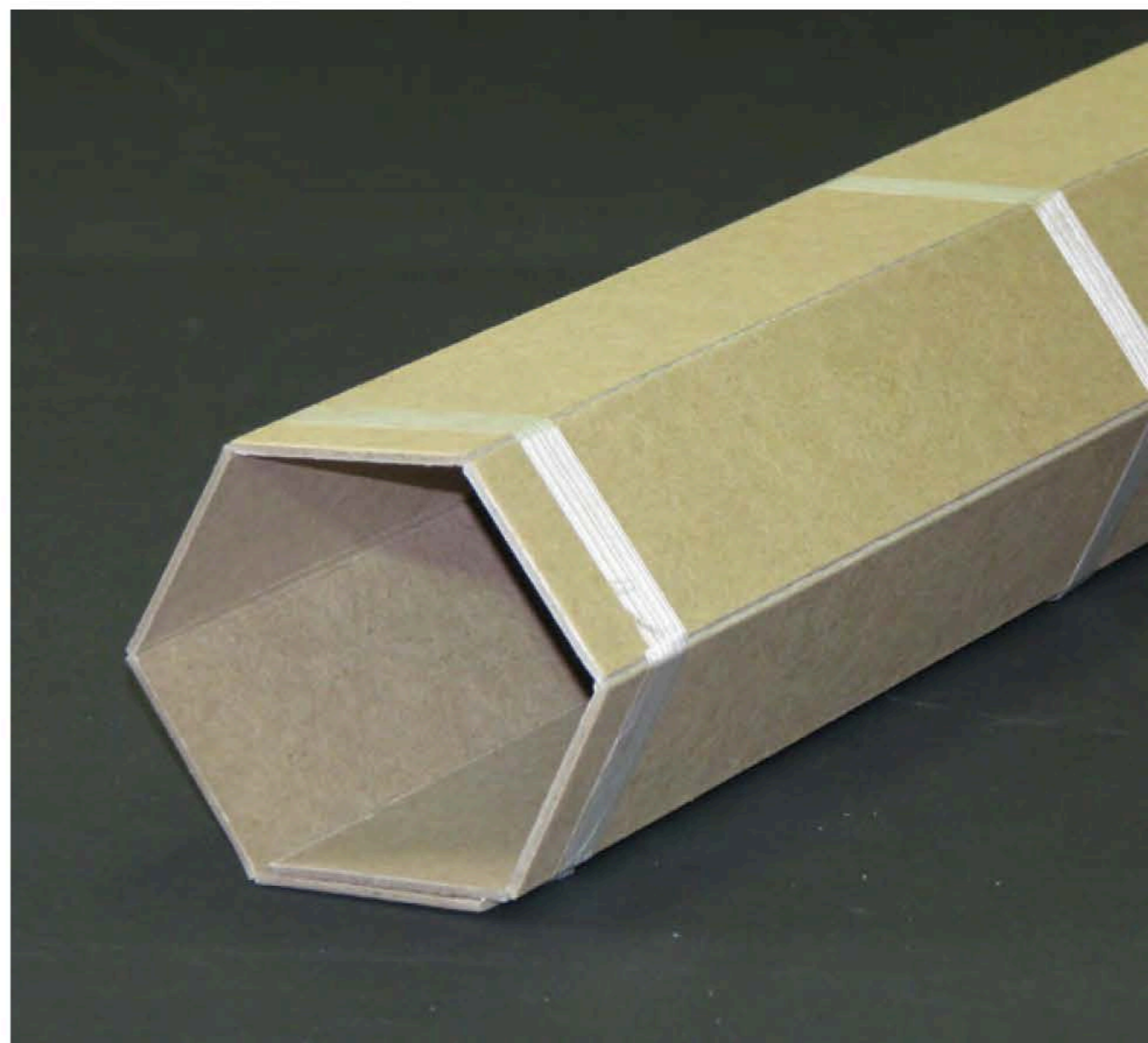
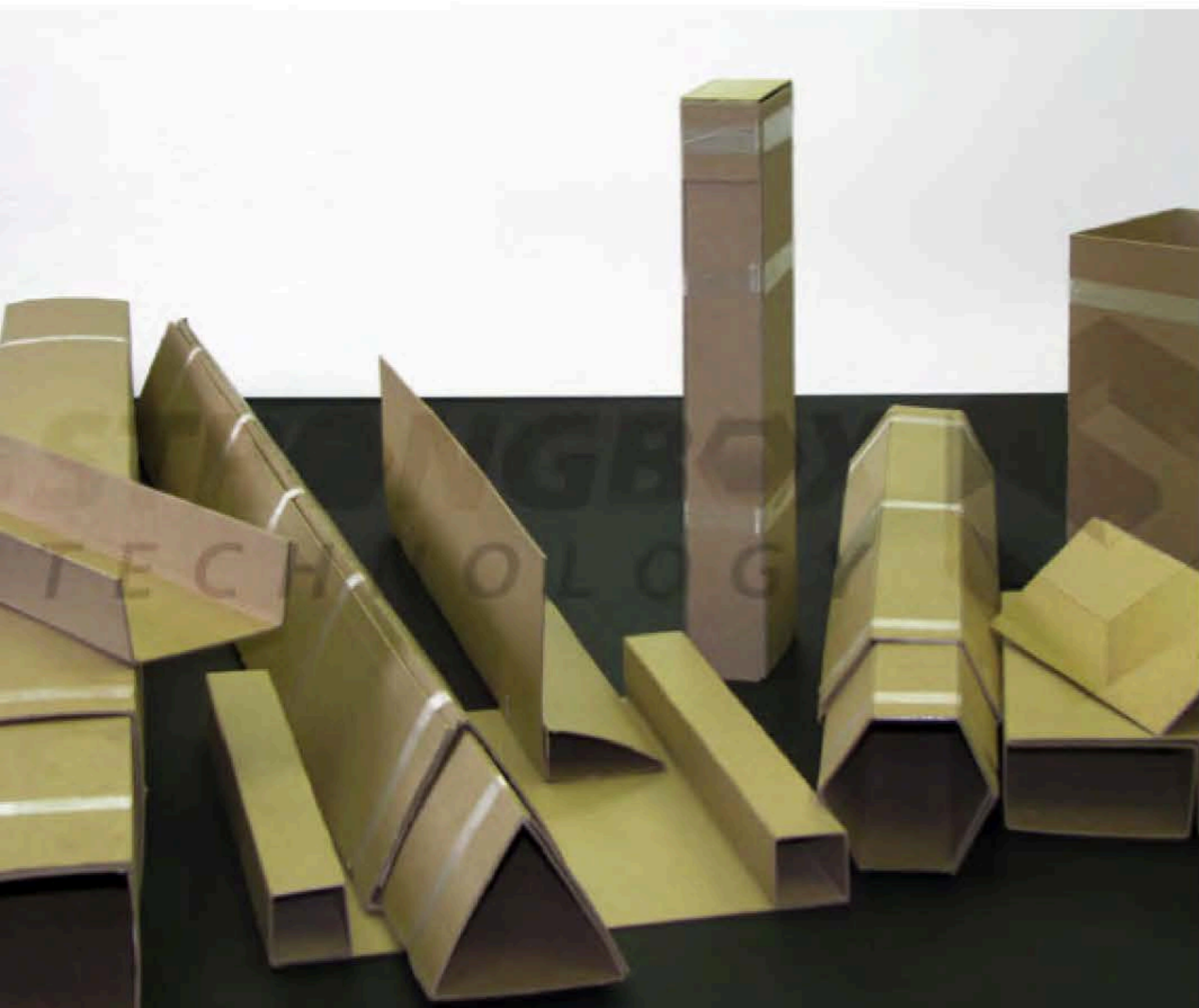


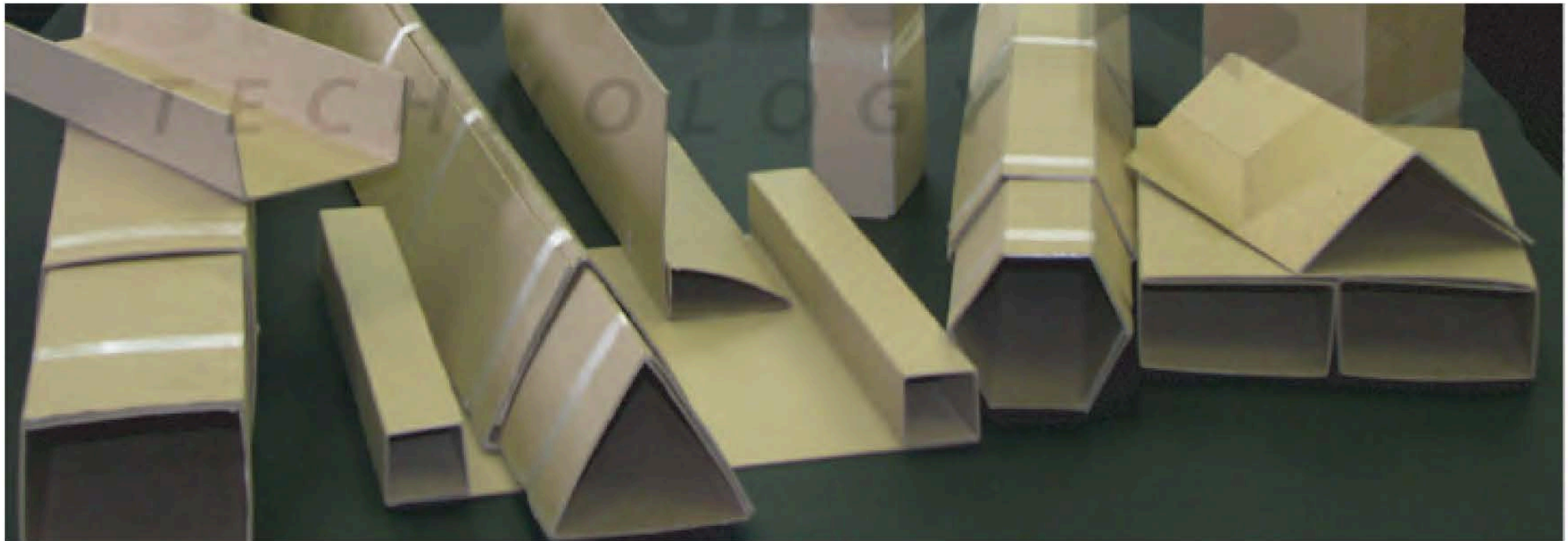
## **SPECIALTY CONVERSION**

### STRONGBOX TECHNOLOGY/GUARDIAN LINE

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**We provide specialized packaging solutions** using all types of paperboards, fine paper, paper-backed foils, cloths, velour, poly-coated surfaces, clay-coated boxboard, and other laminated substrates. Some of our custom packaging products include our patent pending Strongbox Technology and The Guardian Line.





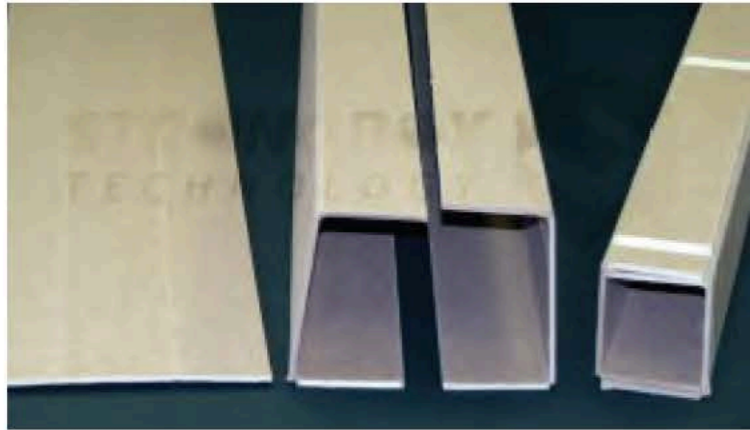
## STRONGBOX TECHNOLOGY

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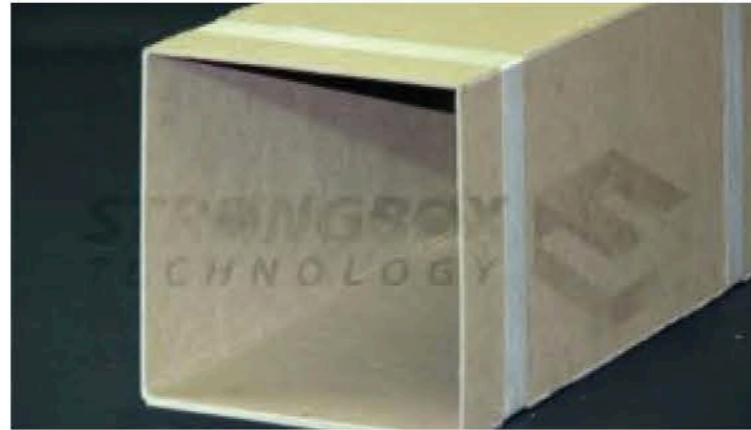
StrongBox Technology is a heavy-duty, multi-versatile box or tube that can be used in shipping application as well as easily fit in unused voids, walls or corners to utilize packing space. The StrongBox Technology product is made from solid fibrous chipboard or paperboard, scored to your required panel dimensions and shipped unassembled and flat. By shipping materials flat, we eliminated the costs of shipping air. By scoring the sheet, we're able to create a solid, fold-able corner that has superior coverage and strength compared to any other current product on the market.

The Strongbox Technology Product line is manufactured with single to multiple laminated layers of paperboards or similar substrates. Strongbox Technology products can be manufactured up to 55" wide by 240" long and have numerous slit cuts or crush scores. **This is a versatile product that can help secure small to large products.**





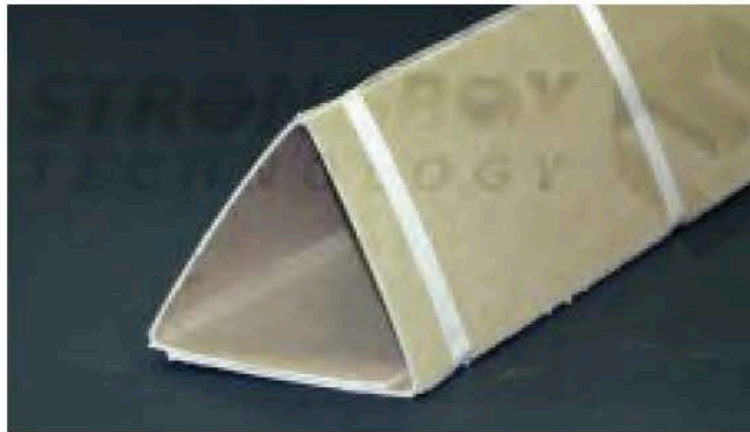
**ORIGINAL STRONGBOX**



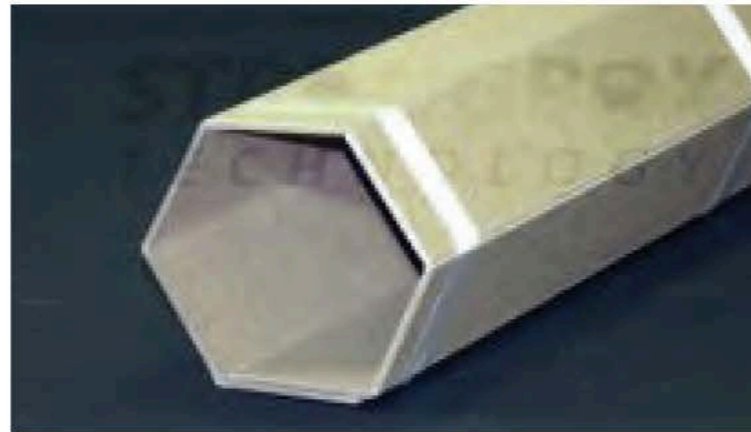
**STRONG 5-PANEL BOX**



**STRONG TELESCOPING 5-PANEL BOX**



**STRONG TRI-ANGLE BOX**



**ALL-AROUND BOX**



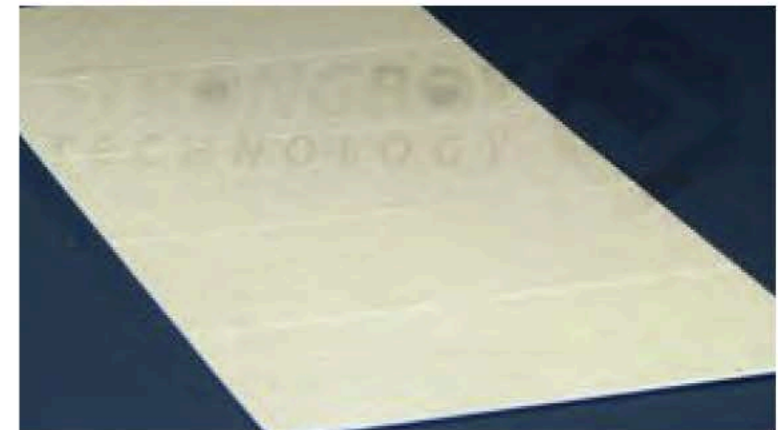
**STRONG VOID FILLER**



**STRONG TELESCOPING TRI-ANGLE BOX**

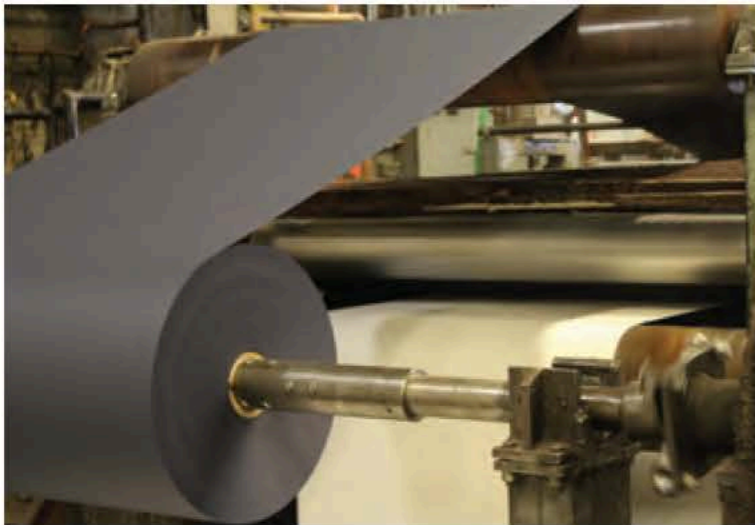


**TELESCOPING ALL-AROUND BOX**



**STRONG SCOREBOARD**

# SERVICES



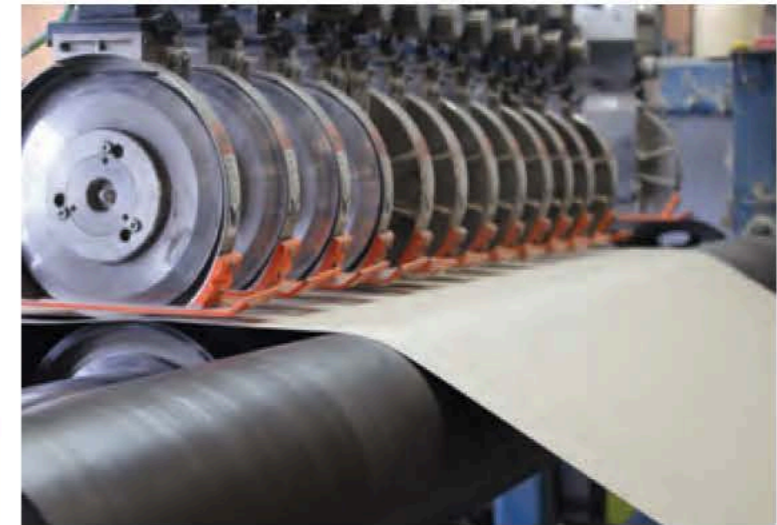
## LAMINATING

Laminating consists of multiple substrates being adhered and pressed together forming a solid paperboard sheet. Laminating parameters consist of length, width, caliper, number of laminations, and type of substrates to be laminated. Our machines' capabilities are as follows: Maximum length 240", Maximum width is 52", Maximum caliper is .150 of an inch. Some standard substrates are fine papers, all types of paper boards, paper backed foils, cloths, velours, Sbs, and poly-coated boards.



## REAM CUTTING

We offer Ream Cutting when a precise tolerance of  $\pm 1/32$  of an inch is required. Ream Cutting is the process of applying a horizontal guillotine style blade with computer-programmed measurements to ensure we can produce extremely precise dimensions and overall squareness. The parameters for Ream Cutting consist of width, length, trim, and caliper. Maximum length or width is 80", and maximum caliper is .125.



## REWINDING

We're able to custom rewind rolls that have been damaged by water, edge contact, diameter alterations, and inside out roll direction. Our machine slitter setups allow us to rewind orders to increase or decrease diameters, width, rewind multiple ribbons, or to change core sizes. Multiple different substrates can be rewound with a maximum diameter of 80", maximum width of 85" and a minimum caliper of .008". Please give us a call to see how our rewinding services will work for you.



## CUSTOM SHEETING

### Heavy-Duty Paperboard

Made in the USA from recycled materials, paperboard slip sheets protect palletized products from damage during storage, handling, and shipping. Paperboard pallet sheets, slip sheets and divider sheets are a smart alternative to cardboard or corrugated materials. The paperboard fibers and lamination serve as a moisture-resistant barrier between the ground and your product preventing mold, mildew and environmental occurrences.

#### QUICK EXPLANATION:

- Calipers .030-.150
- Max size 60" x 240"
- Cut to your specs
- Economical and environmentally friendly



## HIGH SPEED SHEETING

### Light to Medium-Duty Paperboard

Made in the USA from recycled materials, Our light and medium duty sheets are not only cost-effective, but defend bagged materials against punctures and tears caused by pallet nails and pallet boards. The paperboard fibers serve as a moisture-resistant barrier between the ground and your product preventing mold, mildew and environmental occurrences.

#### QUICK EXPLANATION:

- .008-.029
- Cut to your specs
- Max size 60" x 60"
- Bulk Packaged
- Economical and environmentally friendly



## CUSTOM PACKAGING

At N.A.L. Company, Inc., we understand that each of your products have different packaging and shipping needs. Our company has over 50 years of experience in using innovative thinking to create the best product for packaging items while keeping costs, sustainability, and durability in the forefronts of our minds.

We offer 100% free consulting to aid in navigating your custom packaging solutions. With paper board products readily available to us, we have the materials, experience and contacts to help develop a packaging method to ensure your product's safe delivery.

# ARE YOU READY TO PLACE YOUR ORDER?

**GREAT!** We just need a few things from you to get the process started!

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1. Choose Your Product
2. Dimensions
3. Caliper or Thickness  
Of material that you need
4. Number of Pieces Required
5. End Use  
So we may design the right product for your needs
6. Name, shipping address and P.O. number.

\*Please note that we require a \$200 minimum order and a 3-box minimum.  
We do not require full pallet quantities.

## CONTACT US

---

**OFFICE**  
937.444.2518

**FAX**  
937.444.2320

**ADDRESS**  
P.O. Box 14 | Mt Orab, OH 45154

**REQUEST A QUOTE**  
[nalquote@nalcompany.com](mailto:nalquote@nalcompany.com)

**ORDER A PRODUCT**  
[order@nalcompany.com](mailto:order@nalcompany.com)

**NEED MORE INFO?**  
[info@nalcompany.com](mailto:info@nalcompany.com)