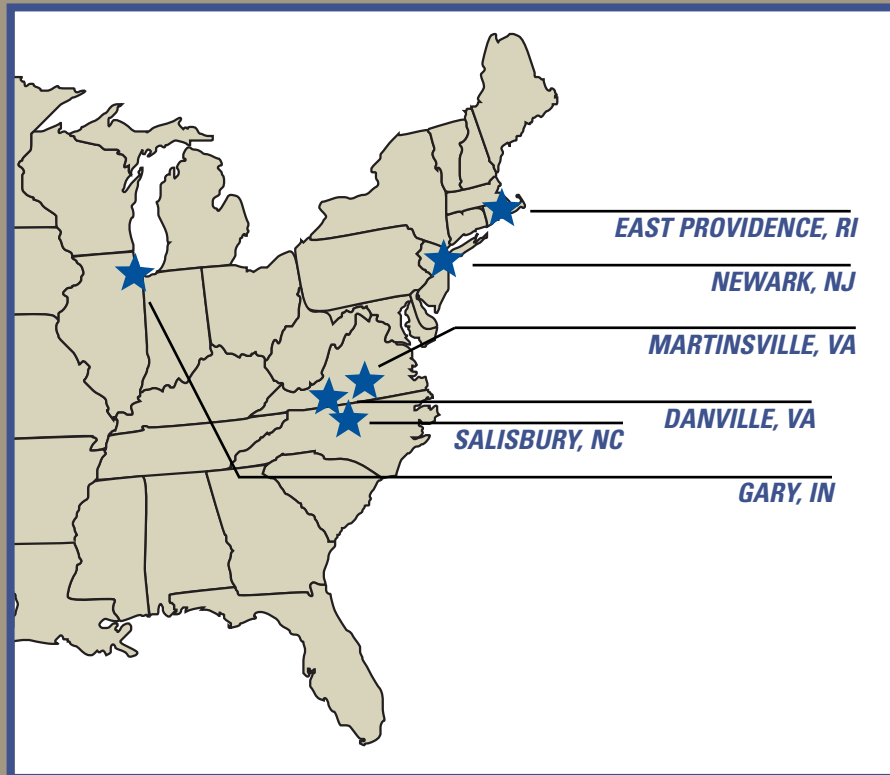


***Multi-Wall...at your service with quality products,
unsurpassed customer service and delivery, at
competitive prices.***

Six plants with over 700,000 sq. ft. of space.



The Multi-Wall fleet of delivery trucks.



***A team of over 600 engineering, production,
shipping and customer service specialists.***

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<i>Newark, NJ</i>	<i>800.235.4066</i>
<i>Salisbury, NC</i>	<i>800.338.3521</i>
<i>Martinsville, VA</i>	<i>800.990.8212</i>
<i>Danville, VA</i>	<i>800.558.7078</i>
<i>Gary, IN</i>	<i>888.442.4483</i>

Multi-Wall Corporate Headquarters

50 Taylor Drive East Providence, RI 02916

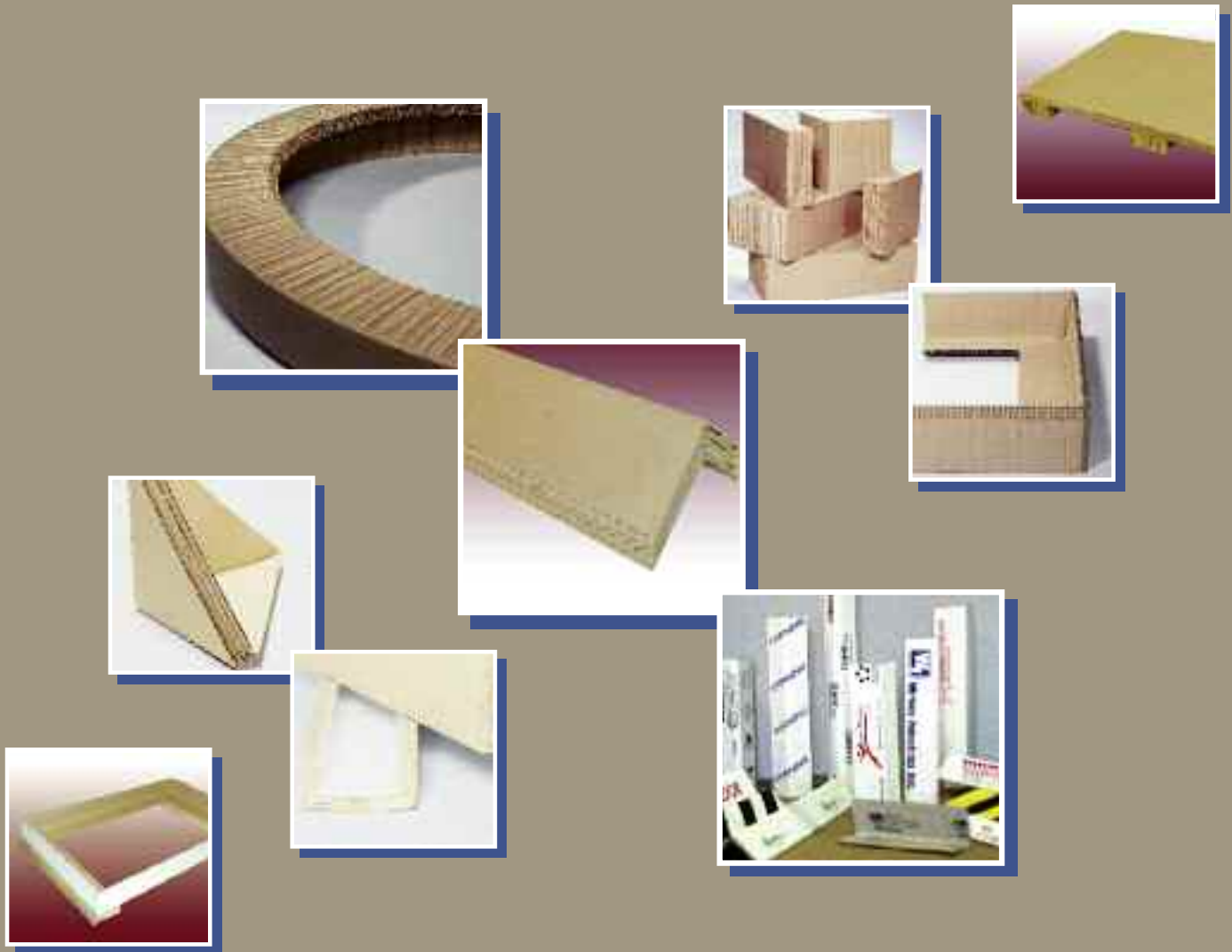
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Web: www.multiwall.com

MULTI-WALL

Packaging Corporation

*Giving Your Products the
Best in Protection*



MULTI-WALL
PACKAGING CORPORATION
Protective Packaging Solutions™

About Multi-Wall

For more than Eighty years, Multi-Wall Packaging Corporation has been providing custom designed and manufactured corrugated interior packaging to the furniture, appliance and industrial manufacturing markets throughout North America.

As a recognized leader in our industry we are proud of our history of growth through product innovation and providing a quality product at a competitive price for our customers.



We are also proud of our heritage as a third generation family owned and operated company. There are currently five members of the Dunn Family who are active in the management of the business.

It is this continuity of family management that ensures this company's commitment to personal service, continuous product improvement and innovative packaging programs for all our customers whether they are a Fortune 500 company or a small private enterprise.

Our company has six strategically located production facilities in North America. Multi-Wall's Packaging Technical Sales staff members work in conjunction with our professionally staffed ISTA, NMFA Certified Packaging and Testing laboratory. There, we can test various design configurations to protect your products. At our Martinsville, VA Laboratory Multi-Wall can ensure its products and designs will meet transportation packaging standards by simulating the rigors of warehousing, shipping and handling.

Whether you require a complete package redesign, reduced packaging costs or the desire for a completely recyclable package let Multi-Wall's team develop the most cost effective packaging solution



for *YOUR COMPANY'S* unique application.

Our protective packaging products can be custom designed for a particular unit, a new application or use one of our many "off the shelf products " to satisfy your packaging requirements. Our products are constructed of 100% recycled laminated single-face corrugated paper and/or solid fiber paper. They offer superior product

protection when compared to other mediums.

Multi-Wall products can be lined or coated with anti-abrasive materials so they can be placed directly on finished products.

Multi-Wall Packaging Corporation's expertise in design, when combined with our diverse catalog of protective packaging products, makes our company uniquely qualified to innovatively assist you with your packaging needs.

If your products demand the best in protective packaging, put Multi-Wall Packaging to work for *YOU!*



Hard Angles

Hard Angle is a very ridged and solid protective packaging product.

It is constructed by laminating multiple layers of solid fiber paper and forming it into a 90-degree angle. By increasing ply layers we can increase stacking and crush resistance strength. Hard Angles applications can be very general or be part of a more complex design, such as reinforcing a corrugated top for a "Basloid" handled package.

More common applications are for under steel or plastic strapping to protect finished goods, Unitization of loose products, increasing stacking strength of palletized products, and corner and edge protection.



Hard Angles are available in a variety of thickness from .090 to .500.

Leg sizes are: 1.5 x 1.5, 2 x 2, 2.5 x 2.5, 2 x 3, 3 x 3, 2 x 4, & 4 x 4

Lengths are from 2" to 144" +

Angle Posts



Angle Posts are a unique protective packaging product designed to perform a variety of functions. Angle Posts provide superior edge protection and cushioning, protecting products throughout the handling and shipping process.

Multi-Wall Angle Posts are a pre-formed protective packaging corner post constructed of laminated layers of 3/16th A flute single face corrugated and solid fiber chipboard. These 90-degree posts are designed to various ply combinations, thicknesses and leg lengths to meet or exceed National Motor Freight Specifications.

Angle Posts are manufactured to withstand high compression loads, so they can be used to increase stacking heights of finished products. This will contribute to better warehouse space utilization. The pre-formed shape of these angle posts allows for fast, flexible application and can reduce or eliminate repetitive motion injuries caused by unfolded corrugated angles or slit scored sheets.

Angle Posts are available with optional Michelman coating or Multi-Soft tissue. Angle Posts are available in a variety of sizes and shapes to meet a wide range of applications.

Sizes are:

A = 2.5" x 2.5"

B = 2" x 2"

C = 3" x 3"

W = 4" x 4"

M = 5" x 5"

WA = 4" x 2.5"

WC = 4" x 3"

WX = 4" x 6"

WH = 4" x 7"

AH = 2.5" x 7"

Lengths are custom and can be ordered up to 150".

Angle Posts can be made up to 8 plys thick. Or 1.5"

Flat Pads

Flat Pads can be used for a variety of applications when blocking, bracing, void filling or spacing is required as part of finished product's protective packaging design. Flat Pads can replace EPS foam blocks or cellular paper in a package where greater impact strength is needed or a high abuse shipping environment can be expected. Since Flat Pads are constructed of recycled paper fiber environmental concerns are not an issue. Flat Pads are constructed of layers of 3/16th " A flute single face corrugated paper laminated into shapes of various lengths, widths, and thicknesses to provide cushioning and clearances designed to meet or exceed National Motor Freight Specifications. The need for bubble or foam wrapping and the labor to apply them can often be eliminated when Flat Pads are ordered with non-abrasive liners. Flat Pads are available with optional Michelman coating or Multi-Soft tissue.



Flat Pads are available in widths up to 44", lengths up to 120" and thicknesses up to 12".

U-Channels

Corrugated U-Channels are available in groove widths from 5/8th" to 5".

Lengths are from 6" to 150".
Sidewall thickness is from 3/8" to 7/8"

Solid fiber U-Channels are available in groove widths from 5/8th" to 5"

Lengths are from 6" to 150"
Sidewall thickness is from .060 to .160

U-Channel is a versatile pad that is designed to fit around the edge of a product and protect the top, bottom and outside edge from damage. Multi-Wall U-Channels are manufactured from laminated plies of 3/16th" A flute corrugated paper. They also can be fabricated with layers of solid fiber chipboard paper to increase impact resistance in high abuse applications. U-Channels can also be constructed with only laminated multiple plies of solid fiber paper. By increasing ply layers we can increase crush resistance strength. These solid fiber U-Channels can be formed to create a gripping action so they may be placed on a product during its manufacturing process and the U-Channel will not fall off. It will stay in place without the application of tape or glue until it is strapped or stretch-filmed before shipment. U-Channels can be notched to fold to a 90-degree angle around the corner of a product. U-Channels are built-up to various thicknesses and lengths to meet or exceed National Motor Freight Specifications. The need for bubble or foam wrapping and the labor to apply them can often be eliminated when U-Channels are ordered with non-abrasive liners. U-Channels are available with optional Michelman coating or Multi-Soft tissue.



Pyramid Pads

Pyramid Pads are available in small, medium and large sizes and come in a variety of thickness.



Pyramid Pads provide superior product protection when compared to alternative corner pads. Multi-Wall Pyramid Pads are constructed of laminated corrugated boxboard built up to various thickness to meet or exceed National Motor Freight Standards. If your product is protected with Multi-Wall Pyramid Pads and it takes an impact during handling or shipping the Pyramid Pad will absorb the impact energy without transferring it to the finished product. Molded pulp or paper cell corner products transfer damaging impact energy into the product they are trying to protect. EPS corners can absorb an impact but usually will shatter after one hit. Multi-Wall Pyramid Pads can absorb multiple impacts, yet stay in place and continue to protect your product until it arrives at its destination.

Flex Angles

Flex Angles sizes are:

A = 2.5" x 2.5"
B = 2" x 2"
C = 3" x 3"
W = 4" x 4"
M = 5" x 5"
WA = 4" x 2.5"
WC = 4" x 3"
WX = 4" x 6"

Lengths are custom and can be ordered up to 150".

Flex Angles can be made up to 5 plies thick.

Flex Angles are a unique *Angle Pad* that is pre-flexed which allows a normally rigid 90-degree pad to bend around a curved product.

Flex Angles are constructed from laminated layers of 3/16th" A flute single face corrugated paper. These pre-flexed pads can conform to the perimeter of an oval, circular, octagonal shaped product. The need for bubble or foam wrapping and the labor to apply them can often be eliminated when Flex Angles are ordered with non-abrasive liners. Flex Angles are available with optional Michelman coating or Multi-Soft tissue.



Angle Pads

Angle Pads are resilient, cushioning edge protectors that are designed to absorb impacts that would damage unprotected edges throughout the shipping and handling process.

Their superior performance is due to how they are fabricated. These pre-formed 90-degree angle pads are constructed of laminated layers of 3/16th" A flute single face corrugated paper. Angle Pads are built-up to various thicknesses and lengths to meet or exceed National Motor Freight Specifications. These pads can be fabricated with outer layers of solid fiber paper to increase their impact resistance in high abuse applications. Angle Pads can be pre-scored at certain lengths so they may be easily torn off and applied to products at different places.

Angle Pads are available with optional Michelman coating or Multi-Soft tissue. Angle Posts are available in a variety of sizes and shapes to meet a wide range of applications.



Sizes are:

A = 2.5" x 2.5"
B = 2" x 2"
C = 3" x 3"
W = 4" x 4"
M = 5" x 5"
WA = 4" x 2.5"
WC = 4" x 3"
WX = 4" x 6"
WH = 4" x 7"
AH = 2.5" x 7"

Lengths are custom and can be ordered up to 150".

Angle Pads can be made up to 8 plys thick.

Corner Pads



Corner Pads are *notched* Angle Pads designed and manufactured to fold to a 90-degree angle around the corner of a product. Corner Pads are constructed of laminated layers of 3/16th" A flute single face corrugated, built up to meet or exceed National Motor Freight Specifications. Corner Pads can be used in a multitude of applications where durable corner protection is required. They are particularly useful where high compression strength and precise carton clearance is required. The need for bubble or foam wrapping and the labor to apply them can often be eliminated when Corner Pads are ordered with non-abrasive liners. Corner Pads are available with optional Michelman coating or Multi-Soft tissue.

Corner Pad sizes are:

A = 2.5" x 2.5"
B = 2" x 2"
C = 3" x 3"
W = 4" x 4"
M = 5" x 5"
WA = 4" x 2.5"
WC = 4" x 3"
WX = 4" x 6"
WH = 4" x 7"
AH = 2.5" x 7"

Lengths are custom and can be ordered up to 150".

Corner Pads can be made up to 8 plys thick.

Corrugated Skid

Corrugated Pallets are manufactured to replace expensive, difficult to dispose of wooden pallets. They can be designed in almost any size and bearing strength depending upon the materials we use to construct them. By fabricating these pallets from a variety of corrugated papers and boxboard, including Tri-Wall Multi-Wall can produce a pallet that is cost competitive, yet is completely recyclable.

A unique benefit to Corrugated Pallets is that they cushion your product, absorbing any impacts from rough handling that could damage finished goods therefore reducing claims and protecting your profits.

How much cushioning do you think a mixed hard wood pallet has?

Corrugated Pallet. Another great product from Multi-Wall Packaging.



Frame Packs

Sizes are:

A = 2.5" x 2.5"
B = 2" x 2"
C = 3" x 3"
W = 4" x 4"
M = 5" x 5"
WA = 4" x 2.5"
WC = 4" x 3"
WX = 4" x 6"
WH = 4" x 7"
AH = 2.5" x 7"

Lengths are custom and can be ordered up to 150".

Frame Packs can be made up to 8 plies thick. Or 1.5"

Frame Packs are fabricated by notching a long length Angle Pad two or more times. The Frame Pack when placed around a product protects the edges and by forming a 90-degree angle with the notches, protects the corners as well. This assembly comes together to form a unit to protect finished goods. Frame packs can be fastened to corrugated sheets to provide a custom designed and manufactured pre-assembled pack for your company's unique application.

The Angle Pads that are used to form the Frame Pack are resilient, cushioning edge protectors that are designed to absorb impacts that would otherwise damage unprotected edges during the shipping and handling process.

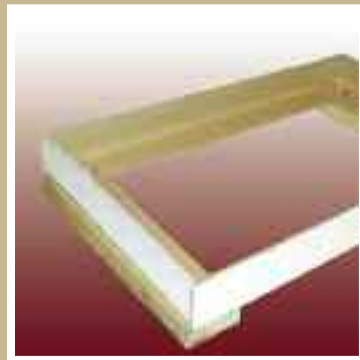
Their superior performance is due to how they are fabricated. These pre-formed Angle Pads are constructed of laminated layers of 3/16th" A flute single face corrugated paper. Angle Pads are built-up to various thicknesses and lengths to meet or exceed National Motor Freight Specifications. These pads can be fabricated with outer layers of solid fiber paper to increase their impact resistance in high abuse applications.

Frame Pack Angle Pads are available with optional Michelman coating or Multi-Soft tissue. Frame Packs are available in a variety of sizes and shapes to meet a wide range of applications.



Hard Angle Skid

Hard Angle Pallet is a unique design for a variety of applications. Hard Angle Pallets can replace corrugated pop-up trays and reduce the amount of wood required in a bottom skid. This product design consists of (4) sections of Hard Angle in a 2"x3", 2"x4", 3"x3", or 4"x4" leg length in a variety of thickness from .140 to .500 caliper.



The leg length and the caliper thickness are determined by the weight of the product, if it is stacked and what type of handling equipment is involved.

The (4) pieces of Hard Angle are secured to the bottom runners of the skid with staples or nails with the inside leg overlapping. This forms a tray to hold the finished product. The leg placement is determined whether or not there will be a corrugated sleeve over the product or if Angle Posts will be placed against the product to protect the edges and increase stacking strength. If the Hard Angle Pallet is to be placed against the finish product the inside legs of the Hard Angle Pallet should be Michelman coated to

reduce damage to the finish of the product. Hard Angle Pallet works best in applications where clamp trucks are used in the warehouse to move product. Just place the last (2) pieces of Hard Angle in last running parallel to the direction of the clamps. When the pieces of Hard Angle are placed in this way the force of the clamps are resisted by the Hard Angle Pallet and not the finished product.