

Product Catalog

Inspired Design
Simple Solution



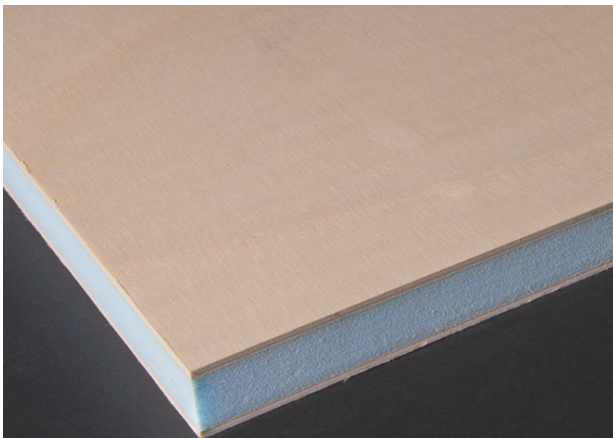
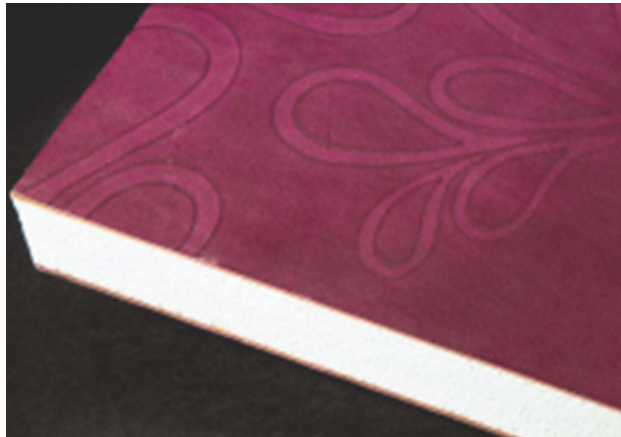
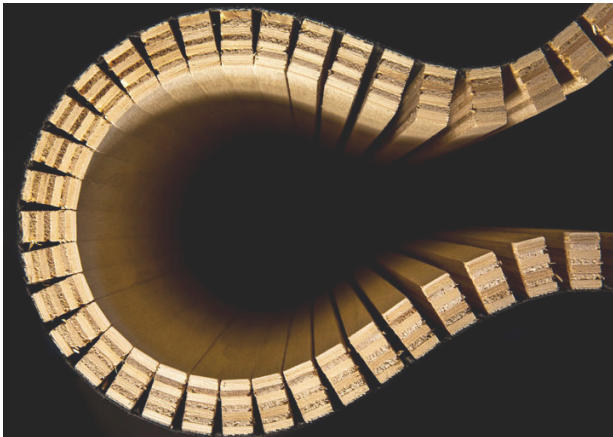


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ABOUT KERFKORE

Kerfkore manufactures and sells flexible and lightweight architectural panels designed to make interior projects easier. All products are manufactured at our facility in Brunswick, Georgia, and sold across the United States and Canada.


































FLEXIBLE PANELS

Our flexible architectural panels bend tighter, with more consistency and dimensional stability than traditional products. Our panels can be laminated and curved or curved and laminated. They come in a variety of materials, thicknesses, and sizes. Require little to no sanding, patching or putty/Bondo. You can easily attach high-pressure laminates, veneers, metals, leathers and other semirigid materials for a beautiful finished result.



FLEXIBLE PANELS

Soflex™	Timberflex	Flexboard®	Econokore®
			
Flexibility			
 3.5" Maximum Radius	 5" Maximum Radius	 8" Maximum Radius	 12" Maximum Radius
Fabrication Techniques			
Laminate Flat and then Form	Form First and then Laminate	1. Form First and then Laminate 2. Laminate Flat and then Form* <small>*Limited to 16" radius; only use singleply or 10mil paperbacked veneers</small>	Form First and then Laminate
Thickness Range			
1/4" - 3/4"	1/2" - 3/4"	1/2" - 3/4"	1/4" - 3/8"
Panel Sizes			
48" x 96" 49" x 97" 61" x 97" 48" x 120" 48" x 144"	48" x 96" 96" x 48"	48" x 96" 48" x 120" 96" x 48" 120" x 48"	48" x 96" 96" x 48"
Face Material			
 LTX Black Flexible Backer	 3-Ply Italian Poplar Plywood	 Eucalyptus Hardboard	 HD Fiberboard
Core Materials			
 Particleboard (Standard)  Plywood  MDF  NAUF Particleboard	 Particleboard (Standard)  Plywood  MDF  NAUF Particleboard	 Particleboard (Standard)  Plywood  MDF  NAUF Particleboard	 MDF
Acceptable Decorative Surfacing Materials			
High Pressure Laminates Two Ply Veneers Phenolic Backed Veneers 20mil Paper Backed Veneers Metals Or Similar Materials	High Pressure Laminates Veneers Metals Paints Stains Or Similar Materials	High Pressure Laminates Veneers Metals Paints Or Similar Materials	High Pressure Laminates Veneers Metals Paints Or Similar Materials
Fire Rated Options			
 NAUF Particleboard ASTM E 84: Class A	 NAUF Particleboard ASTM E 84: Class A (Core Only)	 NAUF Particleboard ASTM E 84: Class A (Core Only)	No Fired Rated Option Available
Sustainable Options			
 NAUF Particleboard	 NAUF Particleboard	 Eucalyptus Hardboard Face NAUF Particleboard	No Option Available
Key Differentiators			
<ul style="list-style-type: none"> • Best with extreme curves • Flat lamination • Ideal for fast production & repeatable processes 	<ul style="list-style-type: none"> • Highest quality face material • Great for tight radius projects • Can be stained or painted 	<ul style="list-style-type: none"> • Can be supplied fully sustainable • Extended panel sizes available • Can be painted 	<ul style="list-style-type: none"> • 2-Ply construction • Can be painted • Limitations on materials and sizes

Core: Particleboard

Laminate/Veneer
Optional

Flexible Backer: LTX Black

About Soflex

Soflex combines our unique base layer manufacturing process with our LTX Flexible Backer to create a highly flexible and extremely stable base layer that allows for fast and easy attachment of high-pressure laminates, veneers, metals, leathers and many other semirigid materials.

When using Soflex, the decorative surfacing material can be applied while flat and then formed into the desired shape achieving a 3 1/2" radius, making it ideal for projects with complex curves.



Product Highlights:

- ✓ Best for complex curves (i.e. "S" shape and curvilinear curves)
- ✓ Ideal for high quality, consistent and repeatable processes
- ✓ Easy-Splice: Eliminate scrap and use 100% of the material
- ✓ Flat lamination = fast consistent process
- ✓ Apply decorative surface material with J-Roller or in a cold press(30 psi max)
- ✓ Attach to framework with PVA glue and clamps



- ✓ Dynamic Bending Radius 3 1/2"
- ✓ Stable Base Layer
- ✓ Laminate Flat, Then Form
- ✓ Edgeband Ready



MATERIALS



FACING

- LTX Black Flexible Backer



CORES

- Standard Particleboard
- MDF
- Plywood
- Fire Rated Particleboard 🔥
- NAUF Particleboard 🌿



DECORATIVE SURFACE

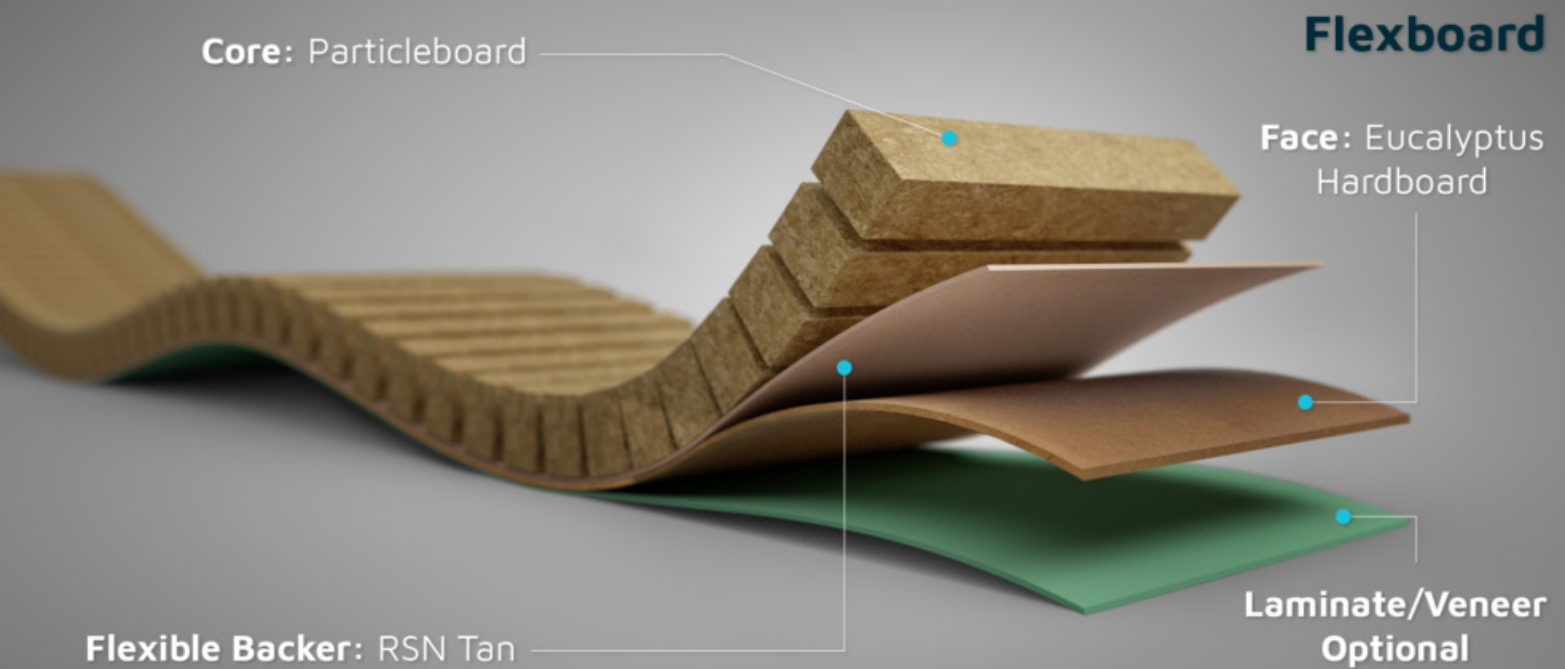
- High-Pressure Laminates
- Two-Ply Veneer
- Phenolic Backed Veneer
- 20mil Paper Backed Veneer
- Metal
- Leather
- Other Similar Materials

THICKNESS

	1/4"	3/8"	1/2"	5/8"	11/16"	3/4"
Particleboard		✓	✓	✓		✓
Plywood			✓	✓		✓
MDF	✓	✓	✓	✓		✓
NAUF Particleboard 🔥🌿					✓	✓

NOMINAL PANEL SIZE

	48" x 96"	49" x 97"	61" x 97"	48" x 120"	48" x 144"
Particleboard		✓	✓	✓	✓
Plywood	✓				
MDF	✓			✓	✓
NAUF Particleboard 🔥🌿		✓			



About Flexboard

Flexboard combines our unique base layer manufacturing process with an Eucalyptus Hardboard face to create a flexible and extremely stable base layer that allows easy attachment of high-pressure laminates, veneers, metals and many other semirigid materials.

When using Flexboard the decorative surfacing material is applied after the base material has been formed into the desired shape achieving an 8" bending radius.

Unique to Flexboard, it can be laminated flat as well with limitations on decorative finishes and bend radius.



Product Highlights:

- ✓ Best for less complex curves (i.e. circular, tiddle)
- ✓ Available as a fully Sustainable Product
- ✓ Paintable
- ✓ Can be laminated formed first (8" radius) or flat first (16" radius)

Note: Flat lamination should only be finished with single-ply or paperbacked veneer
- ✓ Apply decorative surface material with J-Roller or in a cold press if laminating flat (100 psi max)
- ✓ Attach to framework with PVA glue and staples

FLEXBOARD®

- ✓ Flex Bending Radius 8"
- ✓ Stable Base Layer
- ✓ Form, Then Laminate **OR**
Laminate Flat First, Then Form*
- ✓ Edgeband Ready



8"
Maximum Radius

MATERIALS



FACING

- Eucalyptus Hardboard



CORES

- Standard Particleboard
- MDF
- Plywood
- Fire Rated Particleboard 🔥
- NAUF Particleboard 🌿



DECORATIVE SURFACE

- High-Pressure Laminates
- Veneers
- Metal
- Leather
- Paints
- Other Similar Materials

THICKNESS

	1/2"	5/8"	11/16"	3/4"
Particleboard	✓	✓		✓
Plywood	✓	✓		✓
MDF	✓	✓		✓
NAUF Particleboard 🔥🌿			✓	✓

NOMINAL PANEL SIZE

	48" x 96"	96" x 48"	48" x 120"	120" x 48"
Particleboard	✓	✓	✓	✓
Plywood	✓	✓		
MDF	✓	✓		
NAUF Particleboard 🔥🌿	✓	✓	✓	✓

*When laminating Flexboard in the flat position, you will only be able to achieve a maximum 16" radius with limitations on decorative surfaces.

Core: Particleboard

Flexible Backer: RSN Tan

**Laminate/Veneer
Applied After Formed**

Face: 3-Ply Italian Poplar Plywood

About Timberflex

Timberflex combines our unique base layer manufacturing process with our 1/8" imported Italian Poplar Plywood Face to create a flexible and extremely stable base layer that allows easy attachment of high-pressure laminates, veneers, metals and many other semirigid materials.

When using Timberflex, the decorative surfacing material is applied after the base material has been formed into the desired shape achieving a 5" radius.



Product Highlights:

- ✓ Best for projects with tight curves (i.e. circular)
- ✓ 3-Ply Italian Poplar Plywood produced under strict tolerances and high standards with Grade A face veneer
- ✓ Form first, then laminate
- ✓ Stain & paint
- ✓ Apply decorative surface material with J-Roller
- ✓ Attach to framework with PVA glue and staples

TIMBERFLEX

- ✓ Flex Bending Radius 5"
- ✓ Stable Base Layer
- ✓ Form First, Then Laminate
- ✓ Edgeband Ready



5"
Maximum Radius

MATERIALS



FACING

- 3-Ply Italian Poplar Plywood



CORES

- Standard Particleboard
- MDF
- Plywood
- Italian Poplar Plywood
- Fire Rated Particleboard 🔥
- NAUF Particleboard 🌿



DECORATIVE SURFACE

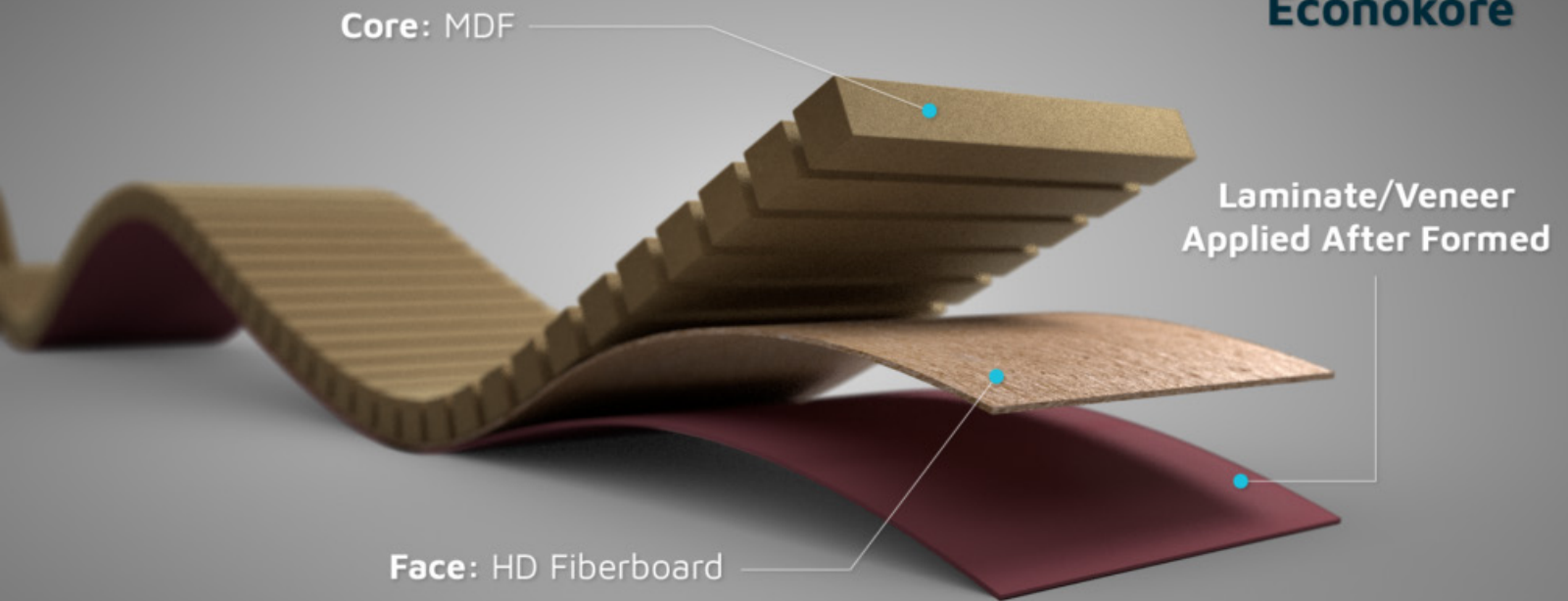
- High-Pressure Laminates
- Veneers
- Metal
- Leather
- Paints
- Stains
- Other Similar Materials

THICKNESS

	1/2"	5/8"	3/4"
Particleboard	✓	✓	✓
Plywood	✓	✓	✓
MDF	✓	✓	✓
Italian Poplar Plywood	✓	✓	✓
NAUF Particleboard 🔥🌿			✓

NOMINAL PANEL SIZE

	48" x 96"	96" x 48"
Particleboard	✓	✓
Plywood	✓	✓
MDF	✓	✓
Italian Poplar Plywood	✓	✓
NAUF Particleboard 🔥🌿	✓	✓



About Econokore

Econokore combines our unique base layer manufacturing process with a 2-ply product design for a flexible and stable base layer that allows for easy attachment of high-pressure laminates, veneers, metals and many other semirigid materials.

When using Econokore, the decorative surfacing material is applied after the base material has been formed into the desired shape achieving a 12" radius.



Product Highlights:

- ✓ Best for projects with subtle curves (i.e. tiddle)
- ✓ Available in smaller thickness sizes
- ✓ Form first, then laminate
- ✓ Paintable surface
- ✓ Apply decorative surface material with J-Roller
- ✓ Attach to framework with PVA glue and staples

ECONOKORE®

- ✓ Flex Bending Radius 12"
- ✓ Stable Base Layer
- ✓ Form First, Then Laminate
- ✓ Edgeband Ready



12"
Maximum Radius

MATERIALS



FACING

- HD Fiberboard



CORE

- MDF



DECORATIVE SURFACE

- High-Pressure Laminates
- Veneers
- Metal
- Leather
- Paints
- Other Similar Materials

THICKNESS

	1/4"	3/8"
MDF	✓	✓

NOMINAL PANEL SIZE

	48" x 96"	96" x 48"
MDF	✓	✓

LIGHTWEIGHT PANELS











Our balanced lightweight architectural panels provide strength while reducing weight up to 80% compared to plywood, particleboard, and MDF. They come in a variety of materials, thicknesses, and sheet sizes. Our panels are easily attached using conventional methods, such as glue, staples, nails, screws, and other similar fasteners. You can easily attach high-pressure laminates, veneers, metals, leathers and other semirigid materials for a beautiful finished result.



WORKLITE® PANELS

EPS Foamkore®

XPS Foamkore®

Core Material	
 Expanded Polystyrene	 Extruded Polystyrene
Face Materials	
 Eucalyptus Hardboard  Fiberboard  3-Ply Italian Poplar Plywood	 Eucalyptus Hardboard  Fiberboard  3-Ply Italian Poplar Plywood
Weight/Square Foot	
0.6 - 1.3 lbs (Depending on Face Materials)	0.6 - 1.3lbs (Depending on Face Materials)
Thickness Range	
1/2" - 3/4"	1/2" - 3"
Panel Sizes	
<div>48" x 96"</div> <div>48" x 120"</div> <div>48" x 144"</div> <div>60" x 144"</div>	<div>48" x 96"</div> <div>48" x 120"</div> <div>48" x 144"</div> <div>60" x 144"</div>
Ease of Edge Banding	
★ ★ ★ ☆ ☆	★ ★ ★ ☆ ☆
Paintable Edges	
★ ★ ☆ ☆ ☆	★ ★ ★ ★ ★
R Value	
R4.4 for 1"	R5 for 1"
Fire Rating	
 ASTM E 84: Class A (Core Only)	 ASTM E 84: Class A (Core Only)
Sustainability	
—	—
Key Core Differentiators	
<ul style="list-style-type: none"> • 2.0lb density • Manufactured in expanded process leading to edges with visible polystyrene beads 	<ul style="list-style-type: none"> • 2.0lb density • Manufactured in extruded process leading to smooth cut edges that can even be painted

Worklite EPS Foamkore

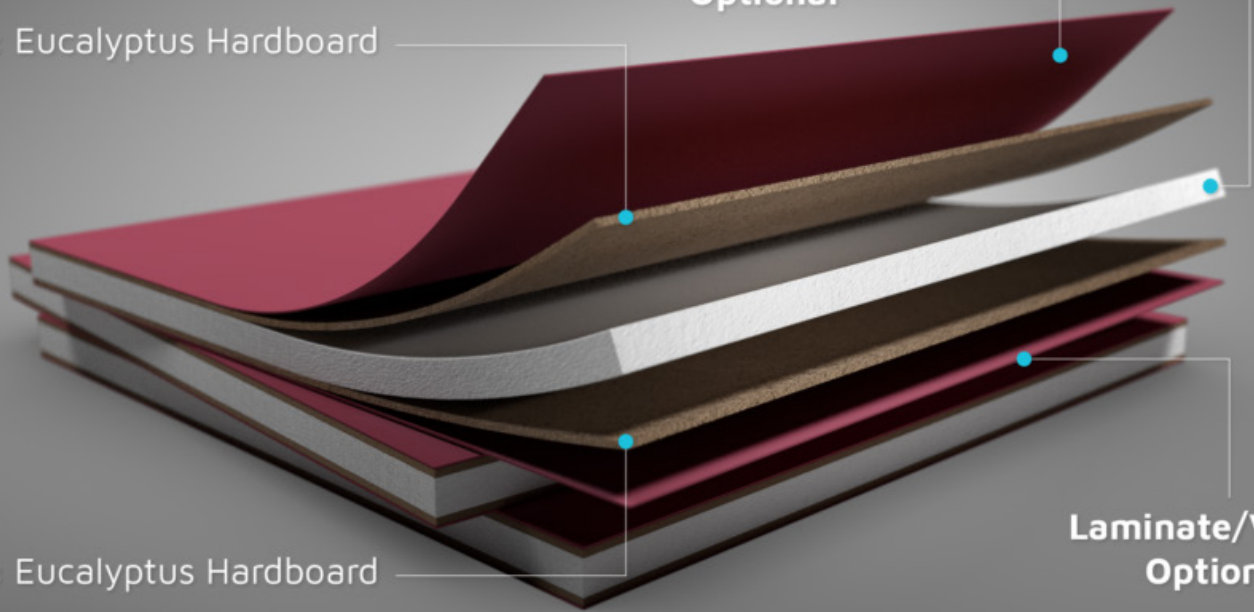
Face: Eucalyptus Hardboard

Laminate/Veneer
Optional

Core: EPS Foamkore

Face: Eucalyptus Hardboard

Laminate/Veneer
Optional



About Worklite EPS Foamkore

Worklite EPS Foamkore reduces material weight up to 80%* by capturing a lightweight core between two thin high-density faces, resulting in a strong lightweight panel with structural integrity. Core material is a dense closed-cell Styrofoam that provides moisture resistance, thermal performance and compressive strength.

Panels can be covered with high-pressure laminates, veneers, metals and many other semirigid materials as well as stain or paint.



Product Highlights:

- ✓ 80% weight reduction compared to conventional panels made of plywood, particleboard and MDF
- ✓ Apply decorative surface material with J-Roller or in a cold press (10 psi max)
- ✓ Attach to framework:
 - Through-bolt in the panel and attach it to the structure
 - Use glue to attach the panels to the face of the framework
 - Add framing within the panel to attach it to the structure

WORKLITE®

EPS FOAMKORE®

- ✓ High Strength to Weight Ratio
- ✓ Ease of Edgebanding
- ✓ Oversized Panels
- ✓ R-Value at 4.4 per 1" Thick



MATERIALS



FACES

- Eucalyptus Hardboard
- 3-Ply Italian Poplar Plywood
- Fiberboard



CORE

- EPS Foamkore
(Expanded Polystyrene)



DECORATIVE SURFACE

- High-Pressure Laminates
- Veneers
- Metal
- Leather
- Paints
- Stains
- Other Similar Materials

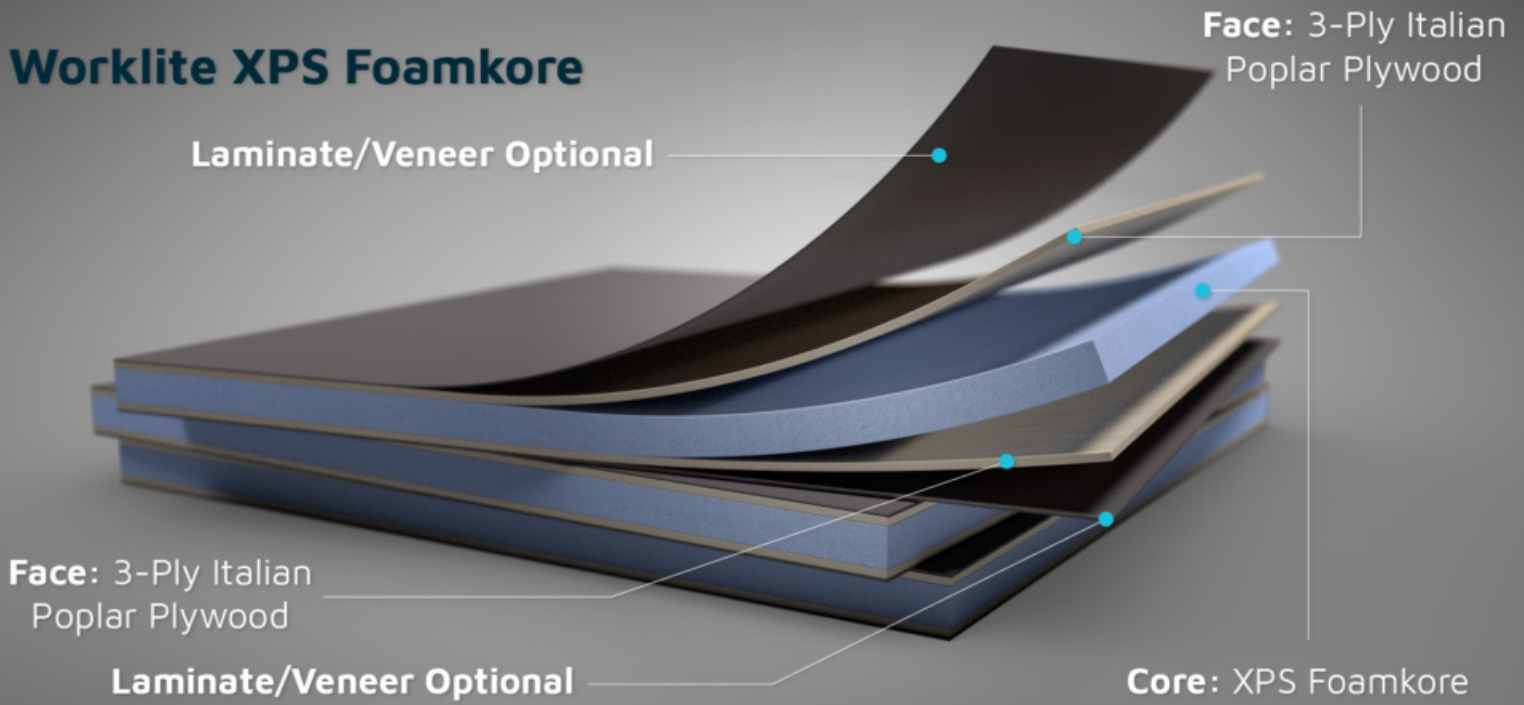
THICKNESS

	1/2"	5/8"	3/4"
EPS Foamkore	✓	✓	✓

NOMINAL PANEL SIZE

	48" x 96"	48" x 120"	48" x 144"	60" x 144"
EPS Foamkore	✓	✓	✓	✓

Worklite XPS Foamkore



About Worklite XPS Foamkore

Worklite XPS Foamkore reduces material weight up to 80%* by capturing a lightweight core between two thin high-density faces, resulting in a strong lightweight panel with structural integrity. Core material is a dense closed-cell Styrofoam that provides moisture resistance, thermal performance and compressive strength.

Panels can be covered with high-pressure laminates, veneers, metals and many other semirigid materials as well as stain or paint.



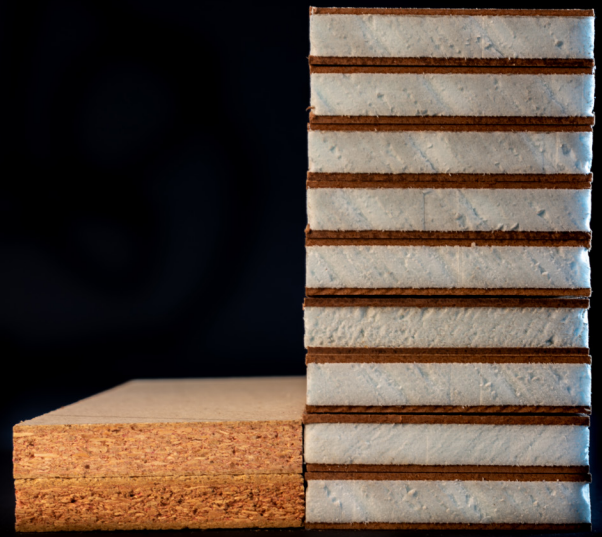
Product Highlights:

- ✓ 80% weight reduction compared to conventional panels made of plywood, particleboard and MDF
- ✓ Apply decorative surface material with J-Roller or in a cold press(15 psi max)
- ✓ Our XPS process provides a tighter polystyrene alignment, creating smooth and consistent edges that are paint ready
- ✓ Attach to framework:
 - Through-bolt in the panel and attach it to the structure
 - Use glue to attach the panels to the face of the framework
 - Add framing within the panel to attach it to the structure

WORKLITE®

XPS FOAMKORE®

- ✓ High Strength to Weight Ratio
- ✓ Ease of Edgebanding
- ✓ Oversized Panels
- ✓ Paintable Edges
- ✓ R-Value at 5.0 per 1" Thick



MATERIALS



FACES

- Eucalyptus Hardboard
- 3-Ply Italian Poplar Plywood
- Fiberboard



CORE

- XPS Foamkore (Extruded Polystyrene)



DECORATIVE SURFACE

- High-Pressure Laminates
- Veneers
- Metal
- Leather
- Paints
- Stains
- Other Similar Materials

THICKNESS






	1/2"	5/8"	3/4" - 3"
XPS Foamkore	✓	✓	✓

NOMINAL PANEL SIZE

	48" x 96"	48" x 120"	48" x 144"	60" x 144"
XPS Foamkore	✓	✓	✓	✓



LIGHTWEIGHT FACE MATERIAL OPTIONS

Eucalyptus Hardboard	Fiberboard	Italian Poplar Plywood
Material		
Compressed Wood	Compressed Wood	3-Ply Construction Wood
Thickness		
0.09"	1/8"	1/8"
Weight		
0.56 lbs/sf	0.56 lbs/sf	0.25 lbs/sf
Surface Quality		
<ul style="list-style-type: none">• Non-Oil Based Faceboard• Consistent and Smooth Surface• No Wood Grain	<ul style="list-style-type: none">• Consistent and Smooth Surface• No Wood Grain	<ul style="list-style-type: none">• Higher Grade Face Veneers• Consistent Wood Grain• Minimal Core Voids
Acceptable Decorative Surfacing Materials		
<ul style="list-style-type: none">• High Pressure Laminates• Veneers• Metals• Paints• Or Similar Materials	<ul style="list-style-type: none">• High Pressure Laminates• Veneers• Metals• Paints• Or Similar Materials	<ul style="list-style-type: none">• High Pressure Laminates• Veneers• Metals• Paints• Stains• Or Similar Materials
Extended Sizing Available		
 Length	 Length and Width	Only Available in 4x8
Sustainable Option		
	-	-
Recommended with Framing		
-		

CUSTOM CAPABILITIES

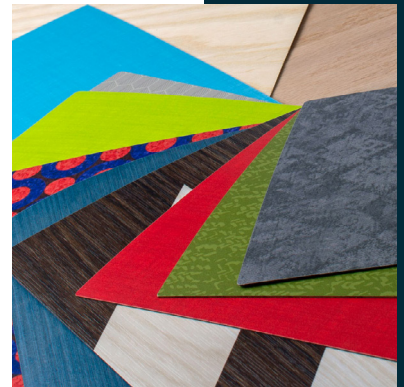
SIZED PANELS

We offer special cuts and extended sizes for most of our flexible and lightweight products. Our panels can be cut smaller or extended to meet special requirements and arrive ready for use, saving you valuable time and resources. Cut to size panels can provide more design flexibility while also eliminating waste.



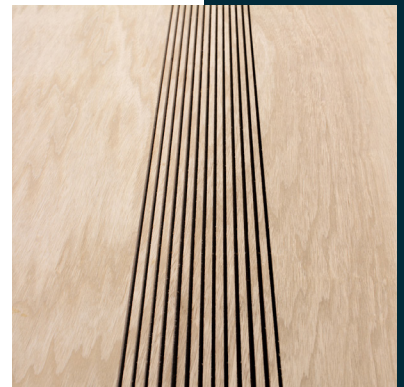
DECORATIVE SURFACING

Kerfkore can press a laminate, veneer, metal, leather, or similar semirigid materials of your choice on most of our flexible and lightweight products. You specify the decorative surfacing materials and either supply the materials to our location, or we can source the materials for you. Either way, we will deliver a product that is ready to go!



GROOVE PATTERNS

Kerfkore can custom cut the grooves in a panel to meet your design specifications or to streamline product production. Our products can be grooved for special bends while leaving un-grooved areas for CNC machining or other manufacturing processes. This creates less work for you by simplifying and streamlining your process.



FRAMING AND INTERNAL BANDING

Custom frames and internal bands can be added to Worklite panels during the manufacturing process. Framing and banding provide areas to place mounting hardware for project applications that involve larger and heavier attachments. Banding and framing configuration can be custom designed to match requirements in width, thickness and location.



SUSTAINABILITY

We believe that sound environmental performance is a key component of sound business performance and is mandatory for our long-term success.

We will seek to prevent environmental impacts before they are created and re-use and recycle whenever possible. We strive to prevent releases to the atmosphere, land and water.

Kerfkore is committed to protecting the environment through the materials sourced, products created, and business practices used.

Most of our products have a low VOC content, are made from reclaimed and recycled materials, contain no added formaldehyde. Our objective is to use renewable resources that have a positive impact on our environment. We will not rest until all our products meet and exceed these standards.

We will work continually to improve the effectiveness of our environmental program, to enhance our environmental performance, and reduce any environmental impacts by setting goals to do so.

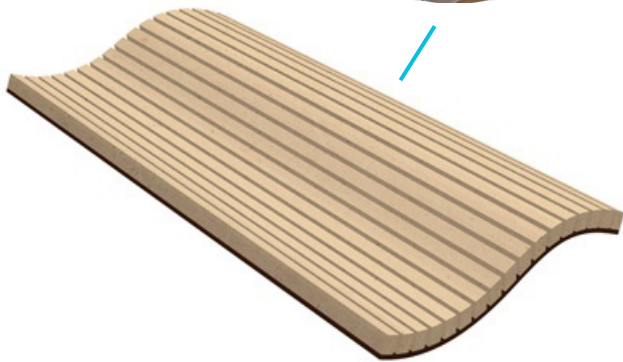
Kerfkore believes, "Providing responsibly managed products to our clients should not be a luxury, it should be standard practice."

CARB: Kerfkore products comply with CARB 2(California Air Resources Board) and TSCA Title VI regulations.

BARREL VS COLUMN

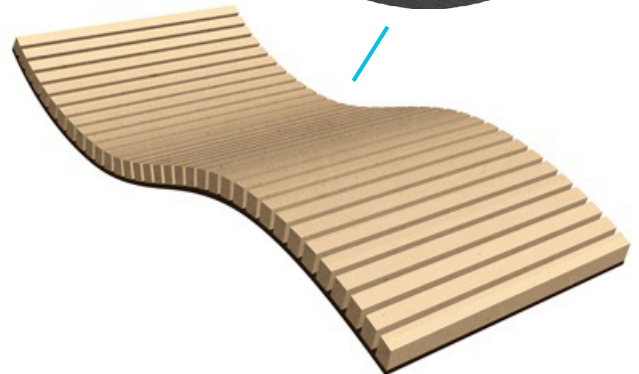
There are two curved choices for our flexible products: Barrel (8' x 4') & Column (4' x 8')

The difference between 4' x 8' and 8' x 4' is the direction in which the board will bend. When bent, a 4' x 8' will stand 8' tall and wrap like a column. The 8' x 4' panel size will stand 4' tall and wrap like a barrel. The second number also designates the direction of the grooves. On a 4' x 8' the grooves run the 8' length and on an 8' x 4' they run the 4' length.



COLUMN

4' x 8'



BARREL

8' x 4'



"We saved about four days worth of labor on a recent project by using Timberflex (Over a 70% reduction). Not only did we produce a cleaner product, but we were able to move on to the next project ahead of schedule. We used to kerf our own boards, something that takes time and requires very little skill. Kerfkore Products allowed us to remove this step and focus our skills where they are really needed."

MICHAEL PHILLIPS | MID-AMERICAN PRECAST INC.

USEFUL KEY TERMS

Bend Radius: How far you can bend a piece of wood without breaking it.

Biscuit Slots: These are cut into the side ribs of both the curved panels for attachment. Once aligned with their opposite half, insert the biscuits using white glue and strap the two column cover halves in place.

Butt Joints: This is an attachment method that could be used with our products. A butt joint is created by extending the laminate beyond the end of the panel to allow the corner panel to butt up against it.

Compression Strength: The ability of a certain material or structural element to withstand loads that reduce the size of that material.

Dado Cut: This cut will be made through the center of the panel, so that a horizontal rib can be placed into it. This creates additional support for the structure.

Easy-Splice: This method is accomplished by easily splicing Soflex in length or width to utilize small pieces to make larger and/or unique sizes. The purpose of Soflex is to eliminate scrap and use 100% of the material. This method can only be used with our Soflex product.

Edgebanding: A common finishing technique for furniture and cabinetry, covers up the visible edges on the lightweight panels.

EPS: Abbreviation for expanded polystyrene (white foam).

Finger Joints: A woodworking cut, also known as comb joints, made by cutting a set of complementary, interlocking profiles in two pieces of wood, which are then glued.

Finger Jointed Poplar: A strong, durable hardwood product that uses finger joints to create a straighter, flatter board. This lumber reduces the likelihood of warping and provide an extremely stable frame.

Framing: Lumber frames that can be added or manufactured around the outers edges of a lightweight panel.

Internal Bands: Lumber bands that can be manufactured along the center of a lightweight panel.

Kerfing: The process of cutting grooves or slots into a solid board.

Non-Structural Architecture/Design: Interior elements or components that are not load-bearing or do not assist in the seismic design and do not require design computations for a building's structure

Rabbet Joints: This is an attachment method that could be used with our products. This is a cut made into the top and/or bottom of the panel to allow the rails of the framework to be placed into it.

Ribs: Ribs are a supporting piece of wood that is cut to represent the shape of the end product.

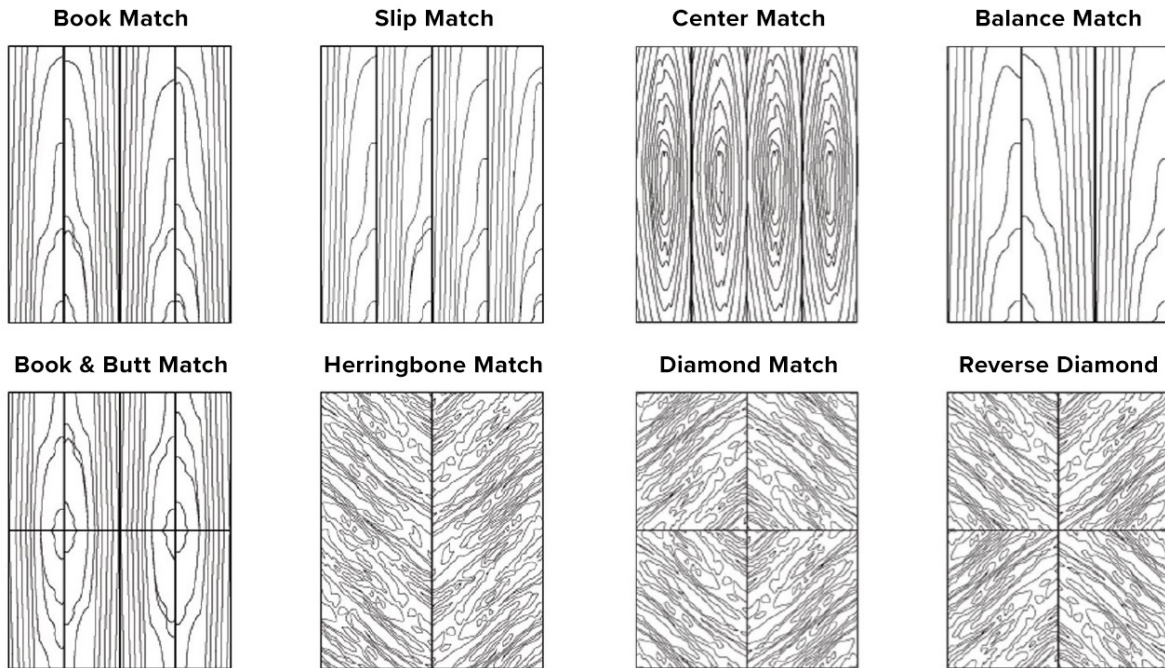
R-Value: Capacity of an insulating material to resist heat flow. Higher R-Value = greater insulating power.

Sandwich Panel: A three-layer structure, with the two outside layers consisting of a thin, rigid material and the middle layer consisting of a thicker, lightweight material.

Telegraphing: Telegraphing occurs when the ridge lines start to appear through the face due to the bending of the product. Because Kerfkore products are through cut, there is no transference of the cut edges to the face of the product. Kerfkore also uses a proprietary paper to separate the cut core and the face.

Veneer Checking: Cracks that appear on the surface of veneers.

Veneer Matching: Specifies how individual veneer leaves will be joined together on the face of the panel. Here are some of the most common types:



XPS: Abbreviation for extruded polystyrene (blue foam).

KERFKORE CONTACTS

KERFKORE COMPANY

Address: 2630 Sidney Lanier Drive | Brunswick, Georgia 31525

Phone: 912.264.6496 | 800.637.3539

Email: info@kerfkore.com

STAFF DIRECTORY

Owner

Max Ruckman

800.637.3539

max@kerfkore.com

Controller

Kali Young

800.637.3539 ext. 104

kali@kerfkore.com

Office Manager

Lynn Anderson

800.637.3539 ext. 101

lynn@kerfkore.com

Production Scheduler

Suisse Morris

800.637.3539 ext. 108

suisse@kerfkore.com

Customer Service

Angela Drury

800.637.3539 ext. 103

angela@kerfkore.com

Plant Manager

Rod Trimmings

800.637.3539 ext. 113

rod@kerfkore.com

Operations Manager

Greg Torello

800.637.3539 ext. 110

greg@kerfkore.com



Our innovative products and experienced team have been helping companies solve their biggest design challenges for more than thirty years --and we're just getting started. Let us help you achieve your vision with lightweight and flexible wood solutions that can be customized to deliver a beautiful result every time.

Talk to us about your next project.

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