

PALBOARD COMES TO LIFE

A Designer-Driven Multilayer Evolution

- PALBOARD 2D**
Two Layers: white/black
- PALBOARD 3D**
Three Layers: white/black/white
- PALBOARD 3D**
Three Layers: all white
- PALBOARD 2mm**
Three Layers: all white



Print it.
Cut it.
V-groove it.
Cold bend it.
Heat bend it.
Ship it flat.
Assemble.
Disassemble.
Repeat.

 Palboard is 100% recyclable with up to 50% recycled core content, helping to conserve fossil resources and reduce the carbon footprint.

Print it. Cut it. V-groove it. Cold bend it. Heat bend it.
Ship it flat. Assemble. Disassemble. Repeat.
new-palboard.com



PALBOARD 2D w/b (white/black)
Originally designed for flat, image printing and signage applications with black edges and back, this co-extruded two layer PVC sheet was the first member of the PALBOARD family.
It was introduced to the North American Sign and Graphics industry at the 2017 SGIA Expo, and was well-received.

Popular with national photography products companies.



PALBOARD 3D w/b/w (white/black/white)
PALBOARD's popularity at subsequent tradeshow encouraged Palram to push its limits. Adding a third, solid, PVC layer offered unique creative possibilities. Now print, v-groove, and cold bend into 3D structures: Displays, furniture, shelving.
PALBOARD 3D was used to construct the entire exhibit at the 2018 GlobalShop Expo.

The famous Zebra, made from one continuous sheet! Cut files available.



PALBOARD 3D w/w/w (all white)
Heeding feedback from designers and engineers, Palram made an all-white version, acclaimed at GlobalShop 2019!
This all-white version is also formulated for outdoor use!

Fame contender, the Polar Bear, with its complex jaws. Cut files available.



PALBOARD 2mm (all white)
Palram didn't stop there. We continued to listen to the changing needs of our customers, developing a new, innovative variation: PALBOARD 2mm.
Downgauge & Upgrade from your 3mm foam PVC substrate to Palboard 2mm. Lighter weight, yet it has better rigidity with harder, smoother print surfaces!

Flammability

PALBOARD complies with the most demanding international fire resistance standards as shown below.

Standard	Thickness	Classification
EN 13501	0.118" (3mm, 2mm)	B, s2, d0
	0.118"-0.394" (3-10mm)	B, s3, d0
UL 94	0.118"-0.394" (3-10mm)	V-0
ASTM E 84		Class A*

* Depends on thickness and product type

Standard Sizes*

	PALBOARD 2D white/black	PALBOARD 3D white/black/white	PALBOARD 3D white/white/white	PALBOARD 2mm white/white/white
Thickness	3mm & 5mm	3mm, 5mm, 10mm	3mm, 5mm, 10mm	2mm
		12mm on Request (minimums apply)	12mm on Request (minimums apply)	
Width x Length	4' x 8' (1220mm x 2440mm)	4' x 8' (1220mm x 2440mm)	4' x 8' (1220mm x 2440mm)	4' x 8' (1220mm x 2440mm)
		5' x 10' 3mm & 5mm only (1524mm x 3050mm)	5' x 10' 3mm & 5mm only (1524mm x 3050mm)	

* Other dimensions available with minimum order requirements.

Which PALBOARD Multilayer Product is right for you?

Product Name	PALBOARD 2D white/black	PALBOARD 3D white/black/white & white/white/white	PALBOARD 2mm white/white/white
Typical Applications	Standoff images with rich black edges/back, frameless photo printing, signage, decorative panels, digital and screen printing, routed and relief lettering, POP and retail displays, simple dimensional structures	POP and retail 3D displays, store fixtures, fabricated & structural parts, exhibits and kiosks, digital and screen printing, routed and relief lettering, industrial, construction, retail, and advertising signage, tradeshow booths and displays, shelving, organized storage.	Superior print quality and rigidity for signs and graphics. Downguage to Palboard 2mm from the leading 3mm foam PVC and you'll find that Palboard 2mm has a 15% harder surface, is up to 18% more rigid and an up to 85% smoother surface. Palboard 2mm is up to 30% lighter than the leading foam PVC, reducing shipping costs.
Colors	White face, black foam PVC back (w/b)	White outer faces, black foam PVC core (w/b/w) White outer faces, white foam PVC core (w/w/w)	White outer faces, white foam PVC core (w/w/w)
Surface Finish	Ultra-smooth face, matte back	Ultra-smooth outer faces	Ultra-smooth outer faces
Ink Adhesion	Excellent	Excellent	Excellent
Rigidity	Very Good	Excellent	Excellent
Interior/Exterior	Interior Only	Interior Only w/b/w Interior & Exterior w/w/w	Interior Only
Chemical Resistance	Very Good	Very Good	Very Good
Surface Hardness	Very Good	Excellent	Excellent
Impact Resistance	Very Good	Excellent	Excellent
Cutting, V-Grooving, Routing	Very Good	Excellent	Excellent
Recyclability	100% Recyclable	100% Recyclable	100% Recyclable
Flame Retardance	Nonflammable	Nonflammable	Nonflammable
Warranty	10 year delamination	10 year delamination 3 year yellowing (w/w/w only)	10 year delamination
Standard Thicknesses	3mm, 5mm	3mm, 5mm, 10mm 12mm on Request (minimums apply)	2mm
Width & Length	4' x 8' (1220mm x 2440mm)	4' x 8' (1220mm x 2440mm) 5' x 10' 3mm & 5mm only (1524mm x 3050mm)	4' x 8' (1220mm x 2440mm)

Palboard: Tested and approved by the world's largest digital printer and cutting systems manufacturers.



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Authorized Distributor

Inasmuch as Palram Americas has no control over the use (and/or installation method) to which others may put this material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make their own test to determine the suitability of the material for their own particular use. In the event of a warranty claim for product failure, Palram Americas reserves the right to inspect any or all of the sheets involved and the installation site itself while the sheets are still in their original position and have not been removed or moved or altered in any way.



PALBOARD Main Benefits

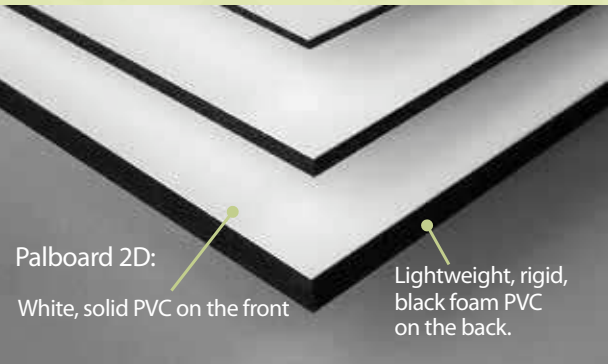
- Ultra-smooth and uniform surface
- EverClean™ protective film is standard (both sides on 3D)
- Bright white surface for excellent color reproduction
- Superior ink adhesion
- Easy, smooth CNC routing and cutting
- Dense black or white core provides an attractive edge
- Rigid, lightweight with high structural strength
- Solid PVC surface resists dents & scratches
- Phthalate-free, REACH & RoHS compliant
- Excellent chemical and fire resistance
- Good electrical and thermal insulation
- A true co-extruded sheet, not a laminate
- 10 year warranty for delamination
- Ship flat, assemble on-site, saving on freight & storage

Palboard is 100% recyclable with up to 50% recycled core content, helping to conserve fossil resources and reduce the carbon footprint.

PALBOARD 2D

Two Layers: white/black

PALBOARD 2D has a white, solid, ultra-smooth PVC surface with a black foam PVC back. Ideal for signage requiring attractive black edges and back. And like Palboard 3D, the uniform, smooth surface is bright white to provide vibrant color. It's the perfect complement to your Palboard 3D displays!



PALBOARD 2D Typical Applications

- Standoff photos, images and artwork
- Frameless photo printing
- Signage, decorative panels
- Digital and screen printing
- Routed and relief lettering
- POP and retail displays
- Simple dimensional structures
- Can be v-grooved & kerf cut for cold bends, angles and curves



- Rich black edges and back
- No more flood pre-coating with white

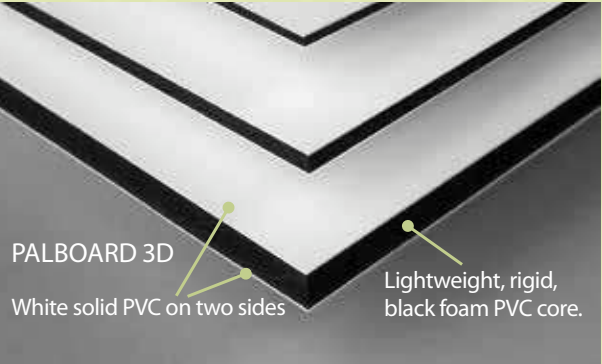
PALBOARD 3D Sheets Offer:



PALBOARD 3D

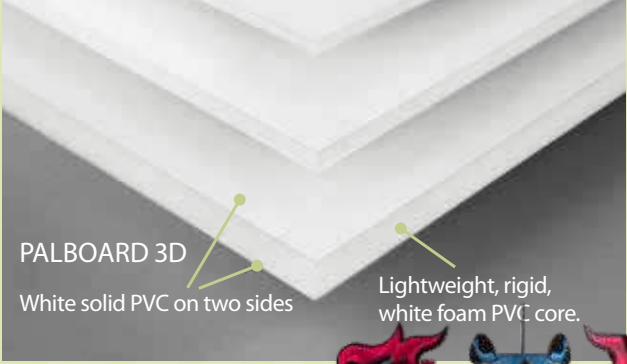
Three Layers: white/black/white

PALBOARD 3D white/black/white has bright white, rigid, ultra-smooth PVC surfaces with a **black** foam PVC core. Rigid exterior layers offer better structural strength than standard foam PVC. Palboard 3D is almost 50% lighter than aluminum composite material (ACM) with easier workability. Plus, Everclean™ protective film is standard on both sides of every sheet. Designers know it's the only substrate of its kind to spark your wildest 3D ideas! **Create WILD!**



PALBOARD 3D Typical Applications

- POP and retail 3D displays
- Fabricated & structural parts
- Exhibits and kiosks
- Digital and screen printing
- Shelving & organized storage
- Routed & relief lettering
- Industrial, construction, retail and advertising signage
- Tradeshow booths and displays



PALBOARD 3D

Three Layers: all white, outdoor

PALBOARD 3D white/white/white has the same bright white, rigid, ultra-smooth PVC surfaces but with a dense **white** foam PVC core for a bright, clean look and finish. Structurally strong and lightweight with protective film on both sides like all PALBOARD 3D substrates. PLUS, the all white version is ideal for exterior applications and offers a 3 year warranty against yellowing.

PALBOARD 3D

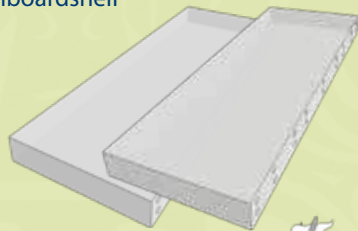
To get started, scan the QR Codes below and watch the videos!

How'd they do this? -VIDEOS-

See the Edge-Lock or Strap-Lock routing technique for glue-free, fastener-free assembly.

To download sample cut files visit Palboard3D.com

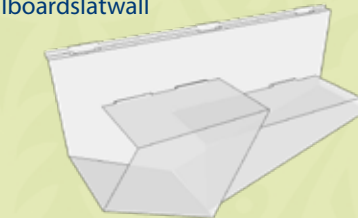
5mm Palboard 3D Floating Wall Shelf
go.palram.com/palboardsshelf



5mm Palboard 3D Retail Beer Display
go.palram.com/palboarddisplay



5mm Palboard 3D Slatwall & Shelf
go.palram.com/palboardslatwall



5mm Palboard 3D Round Pedestal
go.palram.com/palboardroundpedestal



5mm Palboard 3D Strap-Lock Cube
go.palram.com/palboardstraplock



5mm Palboard 3D Mini Cube
go.palram.com/palboardminicube



NEW PALBOARD 2mm

Three Layers: all white

Downgauge & Upgrade from your 3mm foam PVC substrate to Palboard 2mm. Lighter weight, yet it has better rigidity with harder, smoother print surfaces!

Here are the stats:

When comparing Palboard 2mm with the leading 3mm foam PVC you'll find:

Palboard 2mm has a 15% harder surface

Benefit: More durable & dent resistant, less susceptible to scratches

Palboard 2mm is up to 18% more rigid

Benefit: Less floppy, less likely to need frame support

Palboard 2mm is up to 85% smoother

Benefit: Superior print quality & color reproduction

Palboard 2mm is up to 30% lighter

Benefit: Reduced shipping costs

Sustainability:

Palboard 2mm: Up to 50% recycled core content and 100% recyclable

Benefit: Conserve fossil resources and reduce carbon footprint

Palboard 2mm additional features:

- Three layers; all white
- Available with or without protective film
- 48" x 96" sheets (please call for custom sizes)



lighter weight, yet has **better rigidity** with a **HARDER, smoother** surface than the leading 3mm foam PVC substrate!

Print it. Cut it. V-groove it. Cold bend it. Heat bend it.

Ship it flat. Assemble. Disassemble. Repeat.