



# PALBOARD™ FAMILY

NEWLY ADDED PRODUCTS!

Co-Extruded, Multilayer PVC Sheets for Signage and 3D, POP and Retail Display Creations

## PALBOARD 2D

Two Layers: white/black

## PALBOARD 3D

Three Layers: white/black/white

## PALBOARD 3D

Three Layers: All white

## PALBOARD 3D HYG

Three Layers: All white

## PALBOARD 3D MAX HYG

Three Layers: All black with **TEXTURE**



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

Ship it flat. Assemble. Disassemble. Repeat.

[new-palboard.com](http://new-palboard.com)



# PALBOARD COMES TO LIFE

## A Designer-Driven Multilayer Evolution

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



### **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 tradeshows 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) and **PALBOARD 3D HYG** all white.

Heeding feedback from designers and engineers, Palram made an all-white version, acclaimed at GlobalShop 2019!

Fast forward to today; Palram has infused its antimicrobial\* technology into this product, protecting the product from the growth of microbes.

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



### **PALBOARD 3D MAX HYG b/b/b** all black

Palram didn't stop there. We continued to listen to the evolving needs of our customers, developing a new, innovative variation: PALBOARD 3D MAX HYG.

It's an all black, multilayer, fabrication-grade sheet which offers extra durability and rigidity, plus an enhanced, fine haircell textured finish.

◀... Antimicrobial-infused for hygiene conscious fabrications.

\* Palram's antimicrobial technology does not protect users or others against disease causing bacteria, germs, viruses or other harmful organisms. This technology is not a substitute for good hygiene and/or cleaning practices. Not for sale in Canada.





## PALBOARD 2D & 3D Main Benefits

- Ultra-smooth and uniform surface
- EverClean™ protective film is standard
- 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

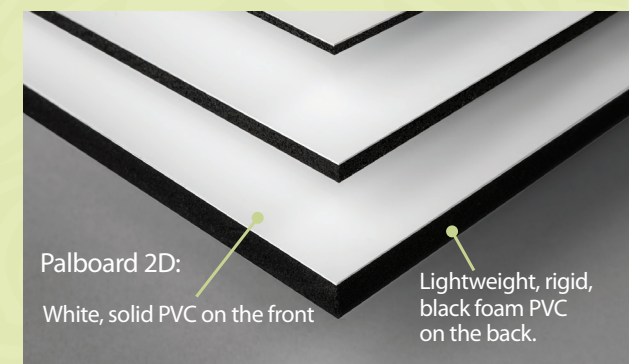


Curves tool!

## 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

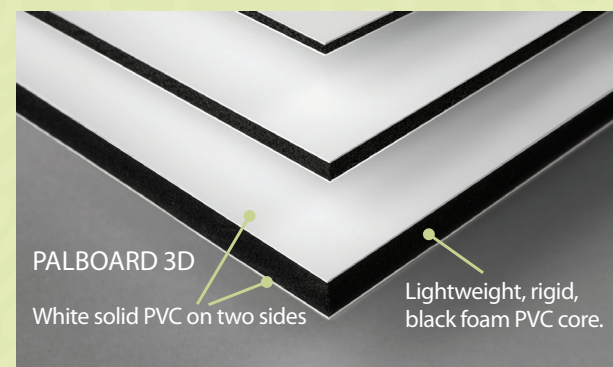
## PALBOARD 3D sheets offer:



## 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 and 3D HYG Typical Applications

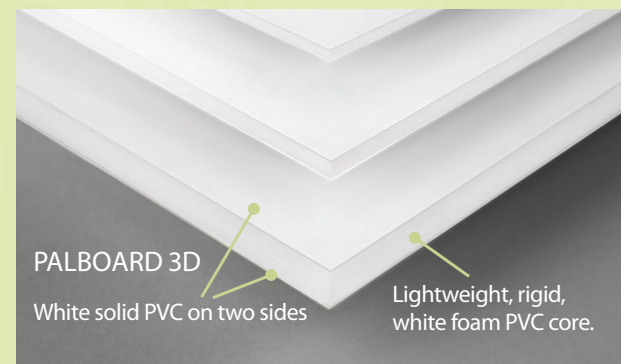
- Antimicrobial option ideal for product protection in hygiene conscious applications
- POP and retail 3D displays
- Fabricated & structural parts
- Exhibits and kiosks
- Digital and screen printing
- Routed & relief lettering
- Industrial, construction, retail and advertising signage
- Tradeshow booths 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, Palboard 3D all white is ideal for exterior applications and offers a 3 year warranty against yellowing. Now, also available in HYG!



## PALBOARD 3D HYG

*Three Layers: all white outdoor PLUS Antimicrobial Technology*



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

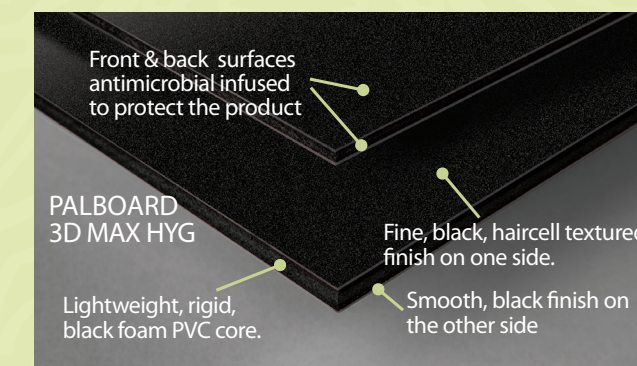
*Ship it flat. Assemble. Disassemble. Repeat.*

## PALBOARD 3D MAX HYG

*Three Layers: all black with **TEXTURE***

PALBOARD 3D MAX HYG is a unique, antimicrobial\*, durable, multilayer PVC sheet. It combines two rigid, smooth surfaces of solid, black PVC with a lightweight, black foam PVC core. Silver-ion technology protects the product against the growth of microbes such as bacteria, mold and mildew that cause stains and odors. It does so by disrupting the ability of these organisms to reproduce.

As a print substrate, the antimicrobial protection of the sheet is unimpaired by ink coverage when the surfaces are digitally printed. And EverClean™ protective film comes standard on both sides of the sheet to protect against dirt and abrasion.



With its antimicrobial properties, PALBOARD 3D MAX HYG is the ideal substrate for creating 3D structures, POP displays, exhibits, and kiosks for hygiene conscious areas in retail and other key environments.

## PALBOARD 3D MAX HYG Typical Applications

- Point of purchase displays
- Cosmetic floor and counter-top displays
- Chemical process industries
- Fabricated and structural parts
- Exhibits and kiosks
- Digital and screen printing
- Routed and relief lettering
- Industrial, construction, retail, and advertising signage
- Tradeshow booths & displays
- Shelving and organizational storage



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## PALBOARD 3D MAX HYG Main Benefits

- Easy to fabricate, heat-bend, and cold-bend using v-groove routing
- Hair-cell texture on one side, smooth on the other side
- High density and rigidity for greater structural strength
- Long-lasting durability in high traffic areas
- Superior ink adhesion for digital printing & silk-screen; easily decorated via hot-stamping.
- Printable while maintaining antimicrobial properties
- Excellent mechanical strength and chemical resistance
- Easy to clean and disinfect
- Silver ion technology keeps product cleaner, longer, and is proven to offer antimicrobial protection for the expected lifetime of the product
- 100% recyclable
- Antimicrobial technology is EPA registered
- Phthalate-free, REACH & RoHS compliant
- 10 year delamination warranty





## Flammability

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

Standard	Thickness	Classification
EN 13501	0.118" (3mm)	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	.075"-0.118" (2mm-3mm)	Class A

## Standard Sizes\*

	PALBOARD 2D white/black	PALBOARD 3D white/black/white	PALBOARD 3D all white and all white HYG	PALBOARD 3D MAX HYG all black
Thickness	3mm & 5mm	3mm, 5mm, 10mm	3mm, 5mm, 10mm	2mm, 3mm, 5mm
		12mm on Request (minimums apply)	12mm on Request (minimums apply)	4mm & 6mm 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 2 Layer	Palboard 3D 3 Layer	Palboard 3D HYG 3 Layer	Palboard 3D MAX HYG 3 Layer
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, fabricated & structural parts, exhibits and kiosks, digital and screen printing, routed and relief lettering, industrial, construction, retail, and advertising signage, tradeshow booths and displays	Antimicrobial print substrate, fabricated parts, POP and retail 3D displays, exhibits and kiosks, digital and screen printing, routed and relief lettering, industrial, construction, retail, and advertising signage, furniture, tradeshow booths and displays, shelving, organizational storage	Extra rigid, antimicrobial substrate for hygienic protection of the product, durable fabricated parts, POP and retail 3D displays, exhibits and kiosks, digital and screen printing, routed and relief lettering, industrial, construction, retail, and advertising signage, furniture, tradeshow booths and displays, shelving, organizational storage
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)	Black haircell texture one side. Black foam PVC core. Smooth black other side. (b/b/b)
Surface Finish	Ultra-smooth face, matte back	Ultra-smooth outer faces	Ultra-smooth outer faces	Fine haircell finish one side, Smooth other side
Ink Adhesion	Excellent	Excellent	Excellent	Excellent
Rigidity	Very Good	Excellent	Excellent	Superior
Interior/Exterior	Interior Only	Interior Only w/b/w Interior & Exterior w/w/w	Interior & Exterior w/w/w	Interior Only
Chemical Resistance	Very Good	Very Good	Very Good	Very Good
Surface Hardness	Very Good	Excellent	Excellent	Superior
Impact Resistance	Very Good	Excellent	Excellent	Superior
Cutting, V-Grooving, Routing	Very Good	Excellent	Excellent	Excellent
Recyclability	100% Recyclable	100% Recyclable	100% Recyclable	100% Recyclable
Flame Retardance	Nonflammable	Nonflammable	Nonflammable	Nonflammable
Warranty	10 year delamination	10 year delamination 3 year yellowing (w/w/w only)	10 year delamination 3 year yellowing	10 year delamination
Standard Thicknesses	3mm & 5mm	3mm, 5mm, 10mm	3mm, 5mm, 10mm	2mm, 3mm, 5mm
		12mm on Request (minimums apply)	12mm on Request (minimums apply)	4mm & 6mm on Request (minimums apply)
Width & 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)	

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



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