



PALBOARD™ 3D MAX

Co-Extruded Extra Rigid Multilayer Sheet

NEW!



Overview

PALBOARD 3D MAX is a unique, durable, multilayer polymer sheet. It combines two rigid surfaces of solid, black polymer with a dense black foam PVC core.

Lightweight, yet rigid, PALBOARD 3D MAX is non-flammable, 100% recyclable and can withstand harsh chemicals and frequent cleaning cycles. It's easy to cut and route, can be cold-bent with a v-groove, and can be heat-bent. It also offers excellent mechanical strength and screw retention. And EverClean™ protective film comes standard on both sides of the sheet to protect against dirt and abrasion.

PALBOARD 3D MAX is the ideal substrate for creating 3D structures, POP displays, exhibits, and kiosks in retail and other public environments. Displays can be shipped flat and assembled on site saving on storage and shipping costs.

palram.com/us

Main Benefits

- Easy to fabricate, heat-bend, and cold-bend using v-groove cuts
- Hair-cell texture on one side, smooth on the other side
- Recycled foam PVC core
- High core density and rigidity for greater structural strength
- Long-lasting durability in high traffic areas
- Superior ink adhesion for digital printing and silk-screen; easily decorated via hot-stamping
- Non-toxic, Phthalate-free; REACH and ROHS compliant
- 100% recyclable
- Easy to clean and disinfect
- Available in all black; 4' x 8' sheets; 2, 3, 5mm
- PALBOARD 3D MAX HYG option available featuring antimicrobial technology
- Protective film is standard on both sides of the sheet
- 10 year delamination warranty

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 and displays
- Shelving and organizational storage



PALBOARD 3D MAX vs. Acrylic P95 & ABS

Unlike Acrylic P95 (matte), 3D Max is UL94 V-O rated, lightweight, impact & chemical resistant, and offers excellent ink adhesion and screw retention.

Compared to ABS (haircell), 3D Max offers a superior flammability rating, and higher resistance to chemicals, bacteria, mold & mildew.

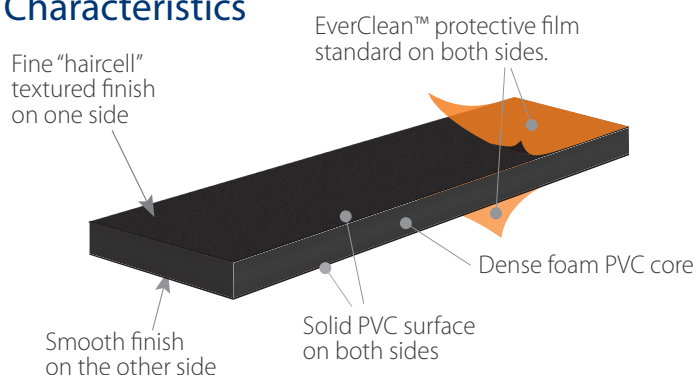
PALBOARD™ 3D MAX

Color

Black

Custom colors are available, subject to minimum order quantity.

Characteristics



Flammability

PALBOARD 3D MAX complies with the most demanding international fire resistance standards defined in the field of plastics, as shown below.

Product	Standard	Classification
PALBOARD 3D MAX	EN 13501	B, s3, d0
	UL 94	V-0

Standard Sizes

Sheet size: 4' x 8' Overall thickness: 2mm, 3mm, 5mm

Surface Finishes

PALBOARD 3D MAX is offered with a textured "Haircell" finish on one side and a smooth finish on the other side.

Which PALBOARD Multilayer Product is right for you?

Product Name	Palboard 2D 2 Layer	Palboard 3D 3 Layer	NEW PRODUCT! Palboard 3D HYG 3 Layer	NEW PRODUCT! Palboard 3D MAX 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 substrate for 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 12mm on Request (minimums apply)	3mm, 5mm, 10mm 12mm on Request (minimums apply)	2mm, 3mm, 5mm 4mm & 6mm on Request (minimums apply)
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) 5' x 10' 3mm & 5mm only (1524mm x 3050mm)	4' x 8' (1220mm x 2440mm)



PALRAM AMERICAS
9735 Commerce Circle
Kutztown, PA, 19530 USA
Tel: 800.999.9459
contactus.usa@palram.com



CURBELL
PLASTICS

1-888-CURBELL
www.curbellplastics.com

Curbell Plastics is a proud supplier of Palram materials.

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.

©2021 PALRAM Americas



F 1501 - 102521 1 KE