



PALBOARD™ 3D MAX HYG

Co-Extruded Antimicrobial* Multilayer Sheet

NEW!



Overview

PALBOARD 3D MAX HYG is a unique, antimicrobial, durable, multilayer polymer sheet. It combines two rigid surfaces of solid, black polymer with a lightweight, black foam PVC core. Silver-ion technology protects its surface 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 surface 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.

PALBOARD 3D MAX HYG is 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 chemical resistance.

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 public environments.

palram.com/us

Main Benefits

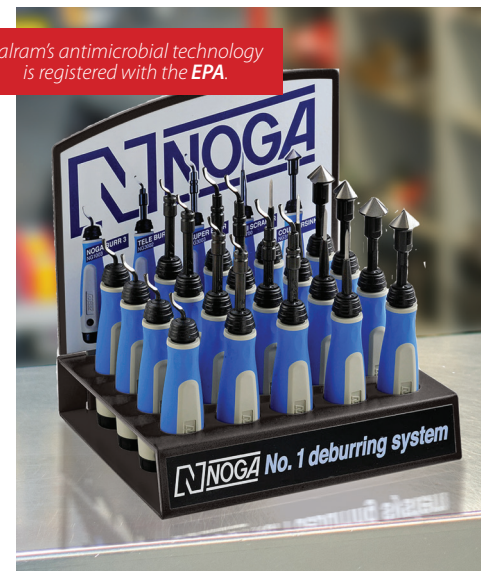
- Easy to fabricate, heat-bend, and cold-bend using v-groove cuts
- Hair-cell texture on one side, smooth on the other side
- High density and rigidity for greater structural strength
- Long-lasting durability in high traffic areas
- Superior ink adhesion for digital printing and silk-screen; easily decorated via hot-stamping
- Printable while maintaining antimicrobial properties
- Non-toxic, Phthalate-free; REACH and ROHS compliant
- 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
- Available in all black; 4' x 8' sheets; 2, 3, 5mm
- Protective film is standard on both sides of the sheet
- 10 year delamination warranty

* 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.

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

Palram's antimicrobial technology is registered with the EPA.



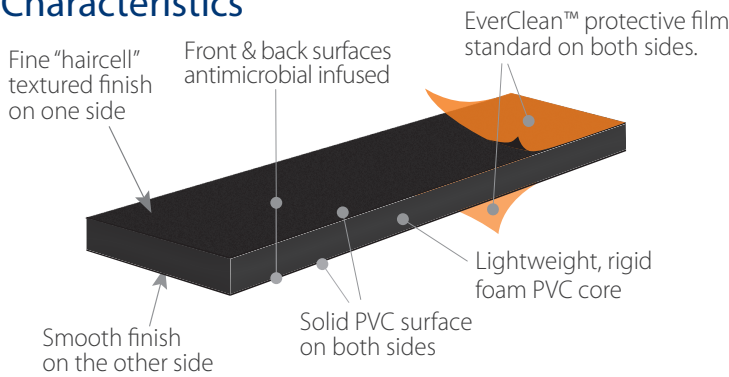
PALBOARD™ 3D MAX HYG

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 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/w)
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)



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