PALRAM

Flat Sheets Application Catalog

About Palram

Palram was founded in 1963 and is a leading global manufacturer of semi-finished extruded thermoplastic sheets, panel systems and finished products. Our diverse product range is manufactured in-house at our international manufacturing sites located in Germany, UK, Israel and the USA. Palram sheets, manufactured mainly from Polycarbonate, PVC and Acrylic, are designed to suit a diverse range of applications in various markets, which include construction and architectural projects, DIY (Do It Yourself), sign and display, glazing, and fabrication.
Palram's material innovation, production capabilities & technology, logistics and customer support assist our customers in planning and successful execution of their projects.

Legend: ○ Medium Term ● Long Term

		Digital printing	Screen printing	Fabrication Cut out, glue, cold bend, etc.	Thermoforming
PALIGHT®	Premium Foamed PVC Sheet	●	●	●	
PALIGHT® Print	Print Grade Foamed PVC Sheet	●	●	○	
PALFOAM™ LW	Low Weight Foamed PVC Sheet	●	●	○	
PALBOARD™	Multilayered PVC Sheet	●	●	●	
PALOPAQUE™	Opaque PVC Sheet	●	●	●	●
PALOPAQUE™ Eco	Multilayered Solid PVC Sheet	●	●	●	○
PALCLAD™ Pro	Hygienic PVC Wall Cladding System	●	●	●	
PALCLEAR®	Transparent PVC Sheet	●	●	●	●
PALSUN®	Solid Polycarbonate Sheet	●	●	●	●
PALGARD™	Solid Abrasion Resistant Polycarbonate	●	●	●	●
PALSHIELD™	Bullet Resistant Panel	●	●	●	●
SUNLITE®	Flat Multiwall Polycarbonate Sheet	●	●	●	
PALGLAS®	Extruded Acrylic Sheet	●	●	●	●

Palram's Media & Fabrication Sheet Selection

Our wide range of PVC, Polycarbonate and Acrylic sheets can support practically all of your Fabrication, Sign and Display needs,
Our fabrication, sign and display media was developed in cooperation with display systems designers and wide format printer manufactures.
Palram's products are backed by decades of experience, customer and technical support, which are an integral part of our commitment to our customers.

POP/POS displays	Exhibition graphics	Indoor signs	Outdoor signs	Illuminated signs (Diffuser option)	Channel letters
●	●	●	○		
●	●	●	○		
●	●	●			
●	●	●	○		●
●	●	●	○		●
●	●	●	○		○
	●				
●	●	●	○	○	○
●	●	●	●	●	●
●	●	●	●	●	
●	●	●	●	●	
●	●	●	●	●	
●	●	●	●	●	●

PALIGHT® - Premium Flat Foamed PVC Sheet

PALIGHT exhibits the whitest available surface and was successfully tested by the majority of digital wide format printer manufacturers. Printers and advertisers benefit from its consistent smooth and bright surface for producing high quality displays. PALIGHT is easily handled, cut and fabricated using conventional tools and equipment, and can be printed, painted or laminated.

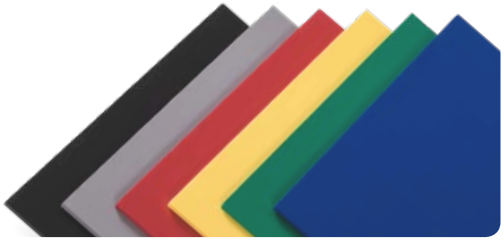
Standard sizes

		Dimensions (mm)		
Color		1220x2440	1560x3050	2030x3050
White		1-13, 15, 19 ,24, 25, 30, 40	All	All
Yellow		3, 5		
Red		3, 5		3, 5
Black		3, 5, 10	3, 5	3, 5, 6, 8, 10
Blue		3, 5		3, 5
Green		3		
Grey		3, 5	3, 5	3, 5

Thickness Availability

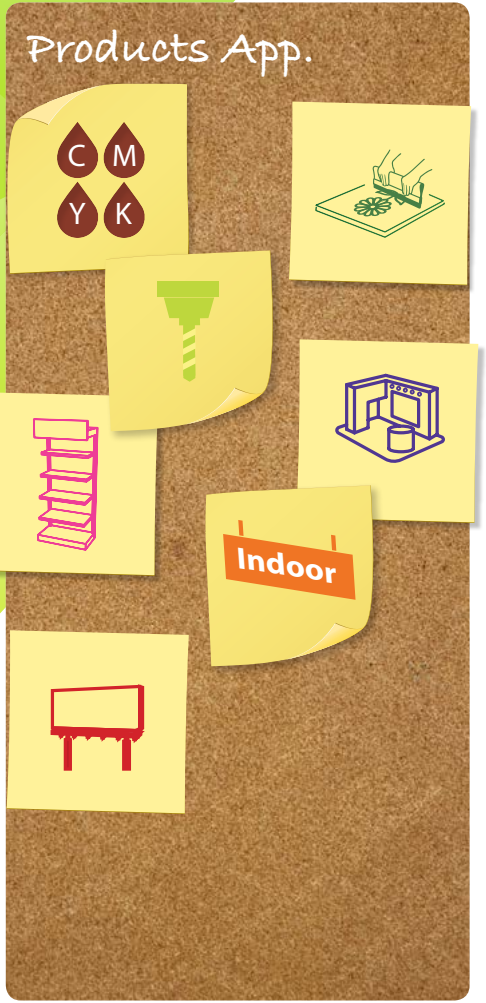
Fire Performance

Standard	Classification
EN 13501	B,s1-3,d0
BS 476/7	Class 1
NSP 92501,5	M-1, M-2
UL 94	V-0



* Depends on thickness, color and type.

Products App.



PALIGHT® Print - Premium Flat Foamed PVC Sheet

PALIGHT Print is a foamed PVC board made specifically to cost effectively meet the stringent requirements of the print industry. It exhibits the whitest color available and was successfully tested by a majority of wide format printer manufacturers.
Lightweight, high-quality PALIGHT® Print sheets are also an ideal choice for the various fabrications needed to suit POP/POS applications, exhibition stands and booths, as well as sign and graphics solutions.

Standard sizes

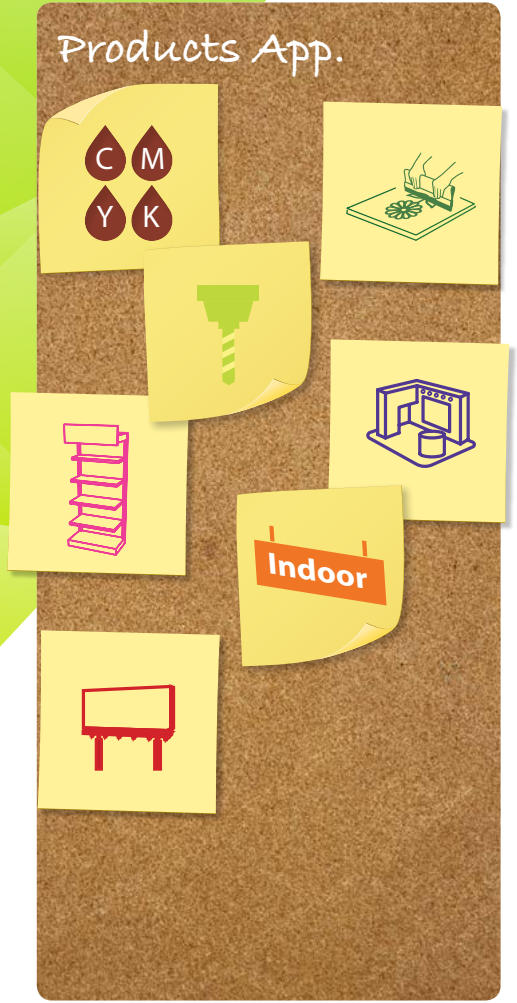
Dimensions (mm)	Thickness (mm)
1,220 X 2,440 | 1,220 X 3,050	2-10
1,560 X 3,050	2-10
2,030 X 3,050	2-10

Fire Performance

Standard	Classification
EN 13501	B,s1-3,d0
UL 94	V-0

* Depends on thickness, color and type.

Products App.



PALFOAM™ LW – Low Weight Flat Foamed PVC Sheet

PALFOAM LW offers easy-to-handle foamed PVC in a cost-efficient version. Its bright, consistent and smooth surface provides a good background for printing and laminating in high quality stands and displays. PALFOAM LW is flexible, versatile and extremely convenient to work with, cut and fabricate using conventional tools and equipment.

Standard sizes

Dimensions (mm)	Thickness (mm)
1,220 X 3,050	2-10
1,560 X 3,050	2-10
2,030 X 3,050	2-10

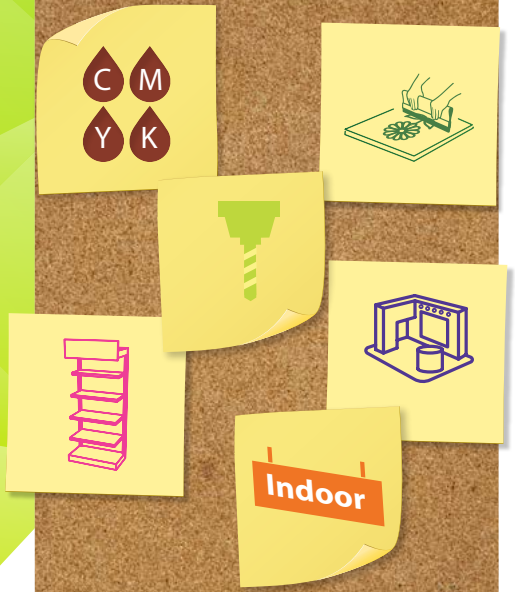
* Other dimensions are available upon request.

Fire Performance

Standard	Classification
EN 13501	B,s2,d0
	B,s3,d0

* Depends on thickness, color and type.

Products App.



PALBOARD™ - Multilayered PVC Sheet

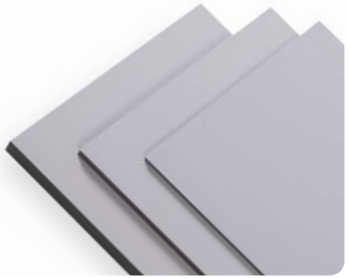
PALBOARD is an innovative sheet that offers the qualities of rigid and foamed PVC together. It combines the surface quality and characteristics of rigid PVC with a reduced weight due to a recycled foamed PVC core. PALBOARD is easy to fabricate, making it ideal for a wide variety of sign and display applications. It makes an excellent printing substrate and, suitable for digital or traditional printing. PALBOARD can be used in harsh chemical environments due to its high chemical resistance.

Standard sizes

Dimensions (mm)	Thickness (mm)
1,220 X 2,440	2-10
1,500 X 3,000	2-10
2,030 X 3,050	2-10

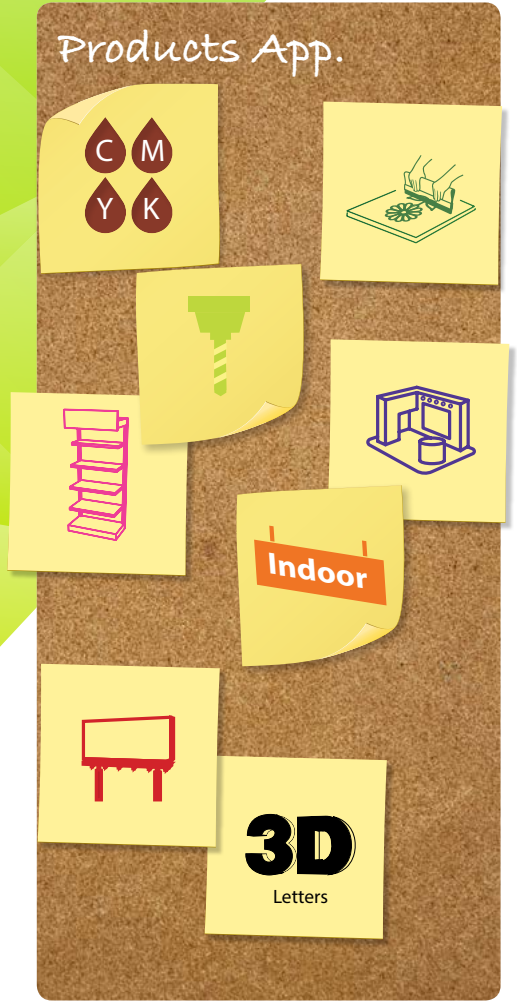
Fire Performance

Standard	Classification
EN 13501	B,s1-3,d0
UL 94	V-0



* Depends on thickness, color and type.

Products App.



PALOPAQUE™ - Flat Opaque PVC Sheet

PALOPAQUE is a flat UV-stabilized PVC sheet. Easily formed and fabricated material, PALOPAQUE is ideal for a wide variety of applications. PALOPAQUE makes an excellent printing substrate for the advertising and signage industries and is suitable for digital or screen printing. Breakthrough HYG technology adds active hygienic action for areas requiring high sanitation.

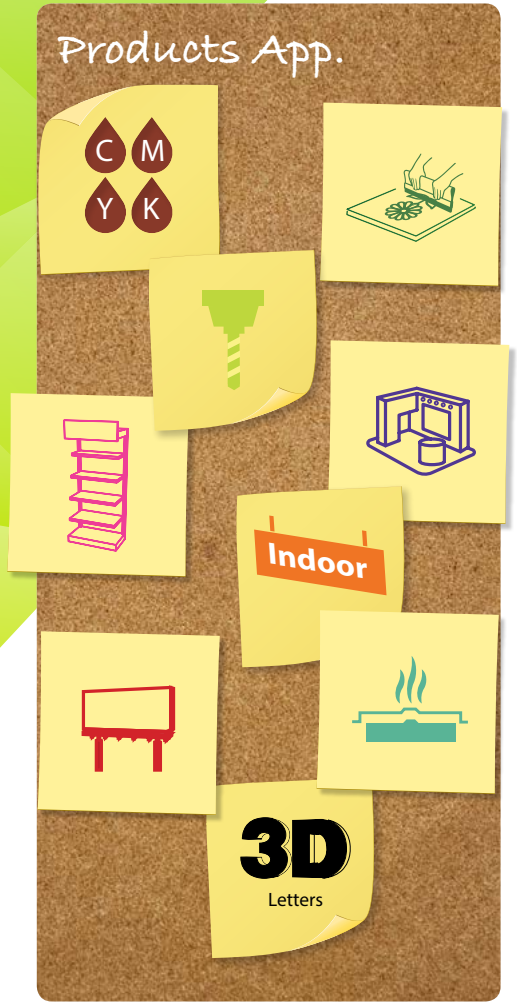
Standard sizes

Dimensions (mm)	Thickness (mm)
1,000 X 2,000	1-10
1,220 X 2,440	1-15
1,500 x 3,000	1-6
2,000 x 3,000	1-4

Fire Performance

Standard	Classification
EN 13501	B,s2-3,d0
BS 476/7	Class 0
ASTM E 84	Class A

* Depends on thickness, color and type.


Products App.
C
M
Y
K
Indoor
3D
Letters

KENT

LoVe

PALOPAQUE Eco - Multilayered Solid PVC Sheet

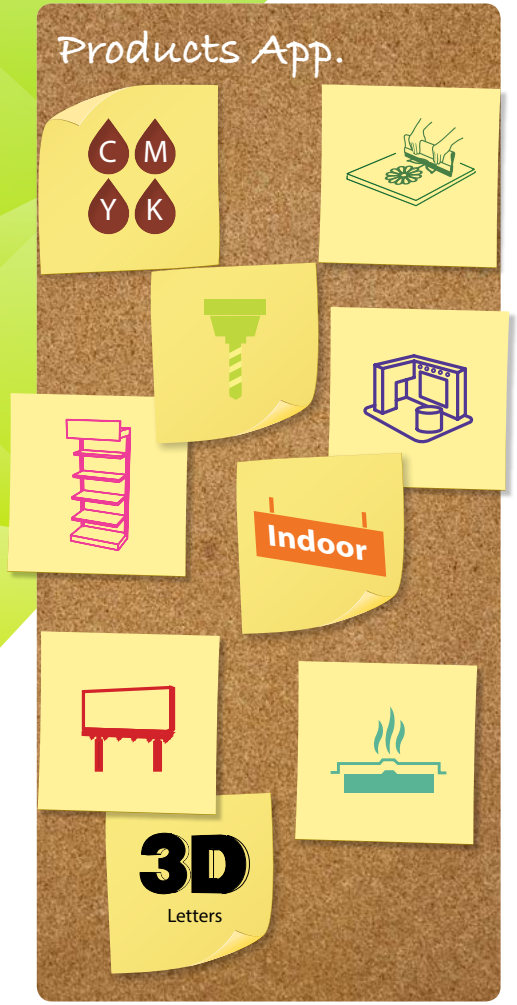
PALOPAQUE Eco is a recycled multilayered flat UV stabilized PVC sheet. Easily formed and fabricated, PALOPAQUE Eco is ideal for a wide variety of applications. With its high chemical resistance, PALOPAQUE Eco is highly suitable for industrial applications. Palopaque Eco is ideal for fabrication and thermo forming.

Standard sizes

Dimensions (mm)	Thickness (mm)
1,300 X 2,440	2 - 6
1,500 X 3,000	2 - 6

* Depends on thickness, color and type.

Products App.



PALBOARD™

PALBOARD™

PALCLAD™ Pro

PALSUN®

PALIGHT®
LOVE

PALSUN®

PALCLEAR®

Trink
Coca-Cola
PALGLAS®

PALCLEAR®

PALCLAD™ Pro

PALCLEAR®

PALSUN®

PALCLAD™ Pro - Hygienic PVC Wall Cladding System

The PALCLAD Pro wall cladding system provides a practical, cost efficient and comprehensive solution for maintaining a clean and safe environment. Covering large areas is simplified with the system. Additionally, PALCLAD Pro covered surfaces have a high resistance to fire and chemicals. This is an advantage in locations such as hospitals, pharmaceutical plants, restaurants & food processing areas.

The PALCLAD Pro system includes panels, profiles and welding rods in matching colors. A wide range of colors and surface textures enables design versatility for many purposes. The system's durability ensures many years of service that is unaffected by repetitive cleaning routines.

Standard sizes

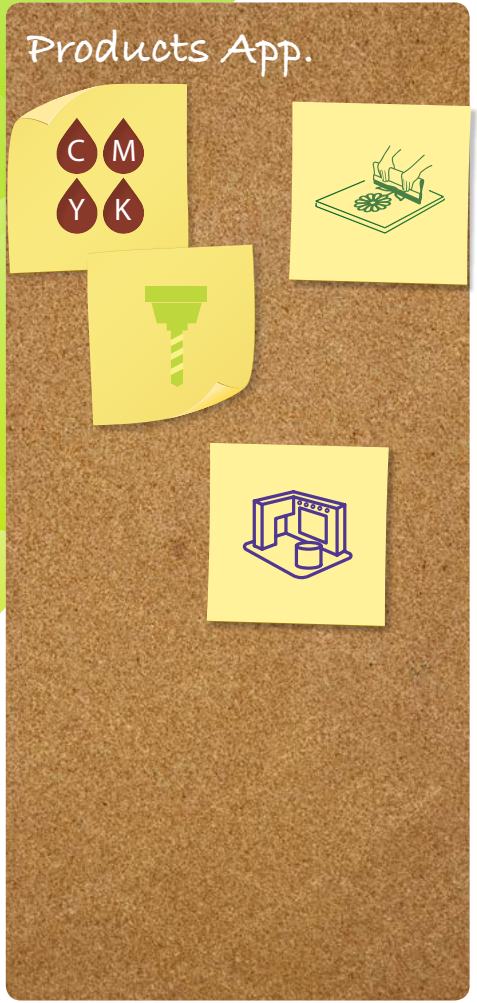
Dimensions (mm)	Thickness (mm)
1,500 X 3,000	2
1,220 X 2,440	2.5
1,220 x 3,050	2.5

Fire Performance

Standard	Classification
EN 13501	B,s2-3,d0
BS 476/7	Class 0
ASTM E 84	Class A

* Depends on thickness, color and type.

Products App.



PALCLAER® – Flat Transparent PVC Sheet

PALCLEAR transparent sheets provide solutions to various applications in populated indoor areas.
PALCLEAR combines excellent mechanical properties and impact strength, water-clear clarity, excellent resistance to chemicals and fire resistance. It withstands many chemical agents and can be easily formed using various fabrication techniques. Optional characteristics range from high clarity and anti-glare surface to increased impact resistance.

Standard sizes

Dimensions (mm)	PALCLEAR®	PALCLEAR® UV	PALCLEAR® HI
1,000 x 2,000	3-15	3-6	1-2
1,220 x 2,440	3-15	3-6	1-2
1,300 x 2,500	3-15	3-6	1-2
1,500 x 3,000	3-4	3-6	1-2
2,000 x 3,050	3-4	3-4	1-2

* 1-2mm available only in PALCLEAR High Impact.

Fire Performance

Standard	Classification*
EN 13501	B,s3,d0
BS 476/7	Class 1
UL 94	V-0

* Depends on thickness, color and type.

* Depends on thickness, color and type.

Products App.

PALSUN® - Solid Polycarbonate Sheet

PALSUN combines ultra-high impact resistance with clarity, making it the material of choice for demanding applications. PALSUN is virtually unbreakable, yet it is transparent as glass at less than half its weight.

PALSUN can be cold bent and easily fabricated and formed, making it ideal for carports, trolley shelters and canopies, advertising, POP / POS and DIY glazing. Clear, translucent and opaque PALSUN sheets are also ideal as machine guards, sound barriers, anti-vandal and safety glazing. PALSUN Diffuser and Light Box sheets are extensively used in durable light boxes.

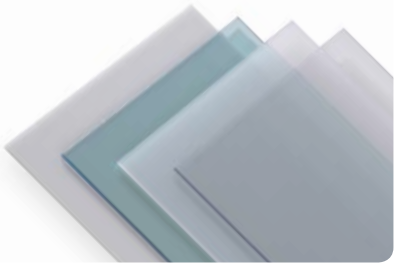
Standard sizes

		Surface Finish				
Thickness (mm)	Width x Length (mm)	Smooth Both sides	Embossed Both sides	Matte One side	Hair Cell One side	Prismatic One side
1	1220 x 2440	✔		✔		
1.5	1250 x 2440	✔	✔	✔		
2		✔	✔	✔		
2.5 - 6	1220 x 2440 1250 x 2440 2050 x 3050	✔	✔	✔	✔	✔
8		✔	✔		✔	
9 - 12.7		✔			✔	
2 - 18	2450 x 3050	✔				

*Other dimensions are available upon request, subject to a minimum order.

Fire Performance

Standard	Classification*	Standard	Classification*
EN 13501	B,s1,d0	UL 94	V2 File e221255
BS 476/7	Class 1	UL 94	V0 File e221255(**)
NFP 92501, 4	M2	ASTM D-635	CC1



* Depends on thickness. (**) PALSUN® FR.

Products App.

PALGARD™ - Flat Solid Abrasion Resistant Polycarbonate Sheet

PALGARD resists vandalism, graffiti spray and impact due to a robust combination of physical properties. It is ideal for safety glazing in public and commercial projects such as interior dividers.

PALGARD is resistant to a wide variety of chemicals and to the increased wear that is typical of high traffic areas. It also has excellent UV blocking properties making it suitable for outdoor usage.

Standard sizes

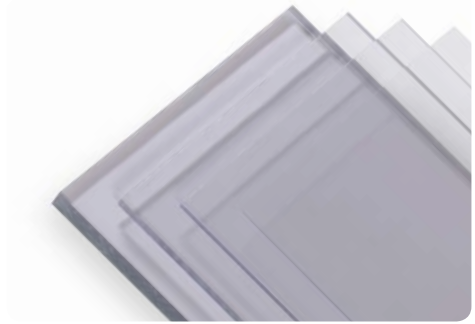
Dimensions (mm)	Thickness (mm)
2000 x 3000	3-18
1220 x 2440	
1830 x 2440	

* Special dimensions and colors are available, subject to minimum order.

Fire Performance

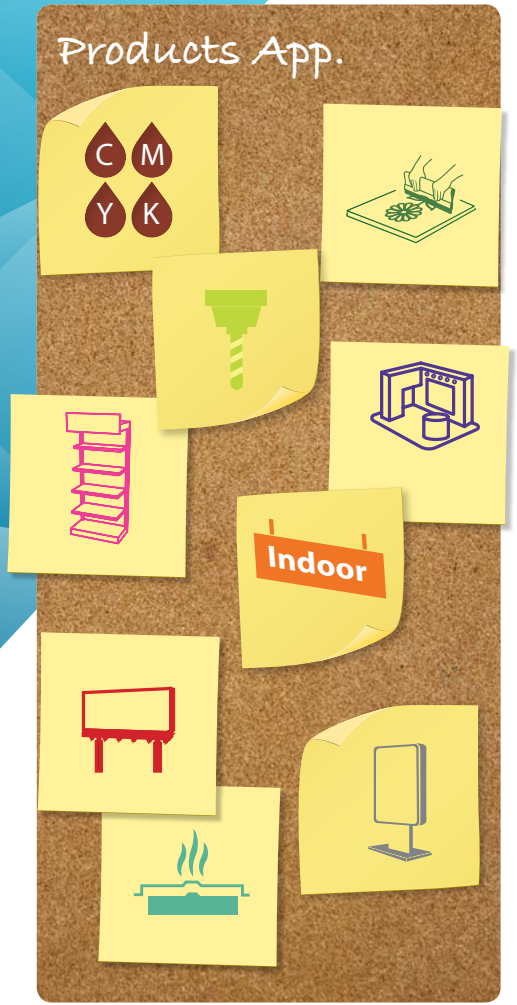
Standard	Classification*
EN 13501	B,s1,d0
NSP 92501, 4	M2
UL Classified	V2 (File e221255)
ASTM D-635	CC1

* Depends on thickness. Please contact your Palram distributor for additional information.



* Depends on thickness, color and type.

Products App.



PALSHIELD™ - Bullet Resistant Panel

PALSHIELD offers clear, bullet resistant glazing for a variety of security glazing needs. Due to its layered structure, the panel withstands both physical attack and multi-shot assault, absorbing the entire impact energy without shattering or splintering. An additional abrasion resistant coating gives PALSHIELD extended service life, making it ideal for applications in public areas.

Standard sizes

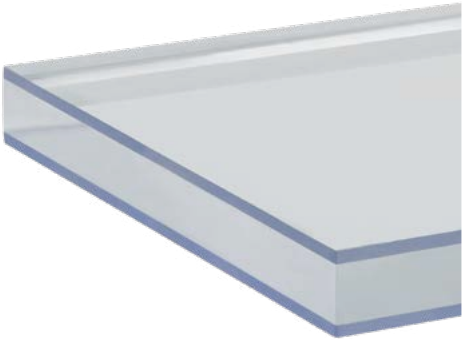
Dimensions (mm)
1,220 X 2,440

*Other dimensions are available upon request, subject to minimum quantity.

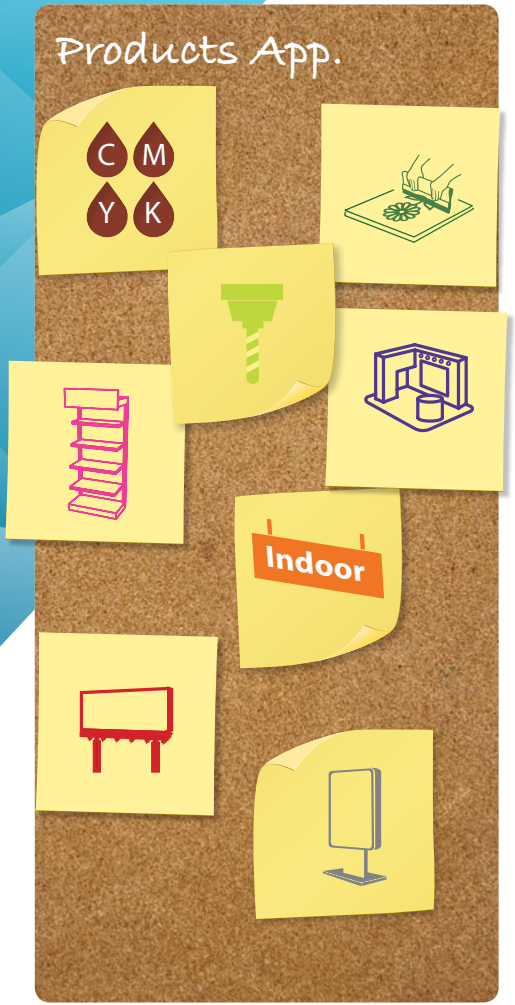
Ballistic Products

Ballistic Products	Protection Level	Thickness (mm)	Plies
PALSHIELD UL1-750*	UL 752 Level 1 † – 9mm 3 shots	19mm	3
PALSHIELD UL2-1000	UL 752 Level 2 † – .357 3 shots	25.4mm	4
PALSHIELD UL3-1250	UL 752 Level 3 † – .44 Mag 3 shots	32mm	4
PALSHIELD UL6-1250*	UL 752 Level 6 † – High Velocity 9mm 5 shots, Supplemental shotgun 1 shot	32mm	4

* Contains Acrylic † Tested by an acredited independent lab according to UL specs.



* Depends on thickness, color and type.


Products App.
C
M
Y
K
Indoor

1
2
3

SUNLITE® - Flat Multiwall Polycarbonate Sheet

SUNLITE has a cellular polycarbonate structure that yields a lightweight sheet with high impact strength and superior thermal insulation. High light transmission makes SUNLITE ideal for wall cladding, and glazing applications, as well as POP / POS and product display systems and digital printing projects.

Fire Performance

Standard	Classification*
EN 13501	B,s1,d0
BS 476/7	Class 1
ASTM E-84	Class A

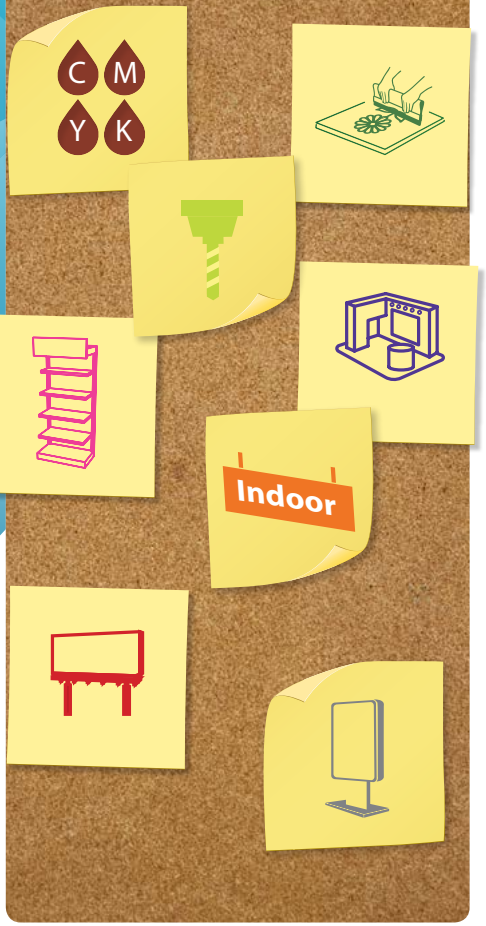
* Depends on thickness.

Dimensions

Structure	Thickness (mm)	Area Weight (Kg/m²)	U-Value (W/m²•°K)	Width (mm) (*USA Only) 700	980	1050	1200	1220*	1250	1600	1800	1830	2085	2090	2095	2100**
Twin Wall	4	0.8	3.8		✔	✔	✔	✔				✔				✔
	4.5	1.0	3.7		✔	✔	✔					✔				✔
	6	1.3	3.5		✔	✔	✔	✔				✔				✔
	8	1.5	3.3		✔	✔	✔	✔				✔				✔
	10	1.7	2.9		✔	✔	✔	✔				✔				✔
Triple Wall	8	1.7	3.0									✔				✔
	10	2.0	2.7									✔				✔
	16	2.5	2.3		✔	✔	✔	✔	✔	✔	✔	✔				✔
X-Lite	16	2.5	2.1		✔	✔		✔	✔	✔	✔					✔
	20	2.8	1.85		✔	✔		✔	✔	✔	✔					✔
	25	3.0	1.7		✔	✔		✔	✔	✔	✔					✔
	32	3.2	1.6		✔	✔		✔	✔	✔	✔					✔
	35	3.5	1.5		✔	✔			✔	✔	✔					✔
	40	4.1	1.4							✔	✔					✔
V-Structure	20	2.8	1.85										✔			
	25	3.4	1.6											✔		
	32	3.6	1.5												✔	
	35	3.8	1.45												✔	
	40	4.0	1.35							✔	✔					✔
7 Walls	10**	1.9	2.3	✔	✔	✔	✔		✔							✔
	16	2.55	1.75	✔	✔	✔	✔		✔							✔
	20	2.9	1.55	✔	✔	✔	✔		✔							✔
	25	3.4	1.39	✔	✔	✔	✔		✔							✔

*Other structures, dimensions and weights are available upon request. Please contact your Palram distributor for more details. **Width of 7 Wall 10mm is 2096mm instead of 2100mm.

Products App.



PALGLAS® - Flat Extruded Acrylic Sheet

PALGLAS offers unsurpassed light transmission, matching that of glass, yet weighing half the weight.

PALGLAS is the ultimate choice for outdoor applications as it provides inherent UV resistance. PALGLAS has high clarity and formability that opens a world of design options for designers, from small fabricated items to transparent furniture. Palram's Acrylic PALGLAS is one of the only plastic materials that can be cut or formed with laser cutters.

Standard sizes

Dimensions (mm)	Thickness (mm)
1250 x 2050 mm	2-30
1220 x 2440 mm	2-30
2050 x 3050 mm	2-30

*Other dimensions are available upon request, subject to minimum quantity.

* Depends on thickness, color and type.

Products App.

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Build On.

84757 - 08.2018