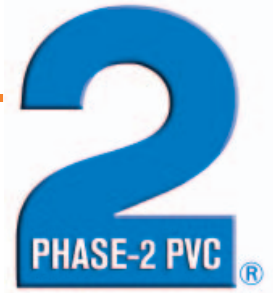


Phase-2 PVC Palight

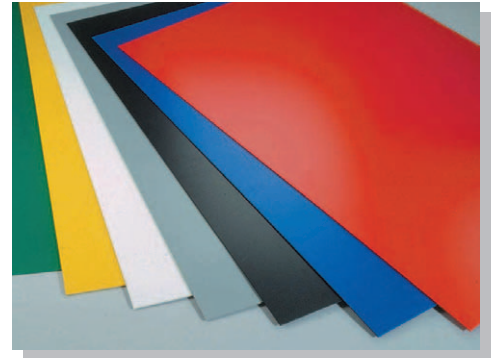
Foamed PVC Sheets



Let Your Message Be Seen

Phase-2 PVC Palight:

Phase-2 PVC Palight foamed PVC sheets are ideal for indoor and outdoor use in advertising, construction, and industry. Phase-2 PVC Palight sheets feature lightweight, durable, and versatile surfaces which can be painted, printed, engraved or milled according to customer specifications. Phase-2 PVC Palight can be fabricated and installed easily using conventional tools and simple handling methods.



Main Features:

- Half the weight of solid PVC
- Same thickness at a lower cost
- Good mechanical properties
- Good insulation, lower heat transmission
- Easy to work with using conventional tools, prints and paints
- Can be easily bonded, vacuum formed, nailed and bolted
- Non-combustible
- Low water absorption
- High chemical resistance
- Non-toxic

Typical Uses:

- Advertising signs, displays, and exhibition boards
- Air-conditioning ducts
- Construction models
- Industrial control cabinets and panels
- Interior decoration
- Partitions
- Wall cladding
- Drop ceilings

Colors:

White, Black

Panel Size: 4' x 8'

Thickness*:

1/16", 1/8", 3/16", 1/4", 1/2"

*Other thicknesses available upon request

Corrugation:

*FLAT ONLY

H & F MANUFACTURING CORP.
PO Box 85
Feasterville, PA 19053-0085

800.474.2732
215.355.0250
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www.hfmfgcorp.com

Fabrication:

Cutting – panels can be easily cut using a straight finely serrated blade mounted on a handsaw or jigsaw.

Drilling – panels can be drilled using any conventional drill.

Fastening – panels can be screwed, nailed, and bolted in place. It is recommended that a large washer be used to distribute the load on a wider area.

Printing – all conventional printing techniques may be applied to Phase-2 PVC Palight sheets.

Welding – panels can be welded to each other or to other rigid PVC sheets with standard hot-air welding equipment, or using the Hot-Blade method. Proper preparation of the surfaces to be joined, appropriate welding temperature, and pressure are required.

Photo Mounting:

Phase-2 PVC Palight is suitable for photo mounting and digital printing lamination. Phase-2 PVC Palight offers:

1. Flat and even surface which allows complete lamination, with no air bubbles.
2. Impact strength and ductility allow cutting by guillotine or knife.
3. High rigidity of the sheets enable the use of large sheets without the need for support.



Technical Properties

Flammability	ASTM D-635 / SE	
Water absorption	0.25%	
Thermal conductivity	0.07 W/m °K	
Heat deflection temp.	145°F	
Compression yield stress	9.4 MPa	
	MACHINE DIRECTION	TRANSVERSE DIRECTION
Tensile strength at yield	17 MPa	12 MPa
Tensile strength at break	16 MPa	13 MPa
Elongation at break (10 mm/min)	33%	25%
Flexural stress at 5% strain	27 MPa	17 MPa
Flexural Modulus	1.05 x 10 ³ MPa	0.70 x 10 ³ MPa