



GLOSS FOAM PVC SHEET

Foamlux Ultra features a superb gloss finish in an extensive choice of 6 vibrant colours (red, yellow, green, blue, grey, black) plus white which create a striking feature for signs and displays. Foamlux Ultra is an extruded unplasticised PVC foam sheet with a co-extruded rigid PVC top layer, the gloss surface offers enhanced exterior performance. The quality, flawlessness and versatility of Ultra offers the designer unlimited application possibilities. The range is available in 3, 5 and 10mm thicknesses.



OPTIONS

- Thicknesses: 3, 5 & *10mm in white, 3 & 5mm colours
- Colours: 6 gloss colours plus white

FOAMALUX ULTRA	WHITE	COLOURS
1220 x 2440	3, 5 & *10mm	3 & 5mm
1220 x 3050	5 & *10mm	–

MAIN BENEFITS

- Weatherable
- Consistently even, offers an optimum surface for print and lamination
- 6 deep intense colours plus a white option with a gloss finish
- Lightweight – easy to handle and install
- Suitable for direct to substrate digital printing
- Easy to cut, handle, fabricate, glue and bond
- Ideal for 3D displays
- Excellent fire performance
- Versatile
- Excellent resistance
- Ideal for external applications without the need for additional protection
- Non-porous does not harbour/absorb any microbial material
- Easily cleaned

APPLICATIONS

The range offers superb screen printing and direct to substrate digital printing results, the product gives excellent effects when routed or engraved.

- Exterior applications
- Shop outfitting, exhibition stands and displays
- Signage and point of purchase/sale
- Cladding
- Fabrication
- Direct digital printing
- Vinyl application and photo mounting
- Screen printing

* Non standard item, minimum order quantities apply.

COLOUR CHART

COLOUR	PANTONE*		RAL*	
	Lighter	Darker	Lighter	Darker
 Red	1797	1805	3018	3031
 Yellow	123	124	1018	1023
 Dark Green	348C	356C	6018	6024
 Blue	7462	647	5005	5010
 Grey	424	Cool Grey 10	7037	7046
 Black			7016	7022
 White				

* Pantone and RAL references are approximate colour matches

PHYSICAL PROPERTIES

PROPERTIES AND TEST METHOD	VALUE
Moisture absorption: DIN 53495 (24 hrs @ 23°C)	<0.25%
Tensile strength at yield: DIN 53455	16MPa
Modulus of elasticity: DIN 53457	0.9MPa
Elongation at break: DIN 53455	27%
Impact resistance: DIN 53453 (Charpy test, un-notched)	15kJ/m ²
Shore hardness: DIN 53505	FoamaluX Ultra 75-80 (3mm)
Vicat softening temperature: DIN 53460	76°C
Thermal expansion coefficient: DIN 53752	68m/m.K x 10 ⁻⁴
Thermal conductivity: DIN 52612 Method	0.085W/m.K

PRODUCT RANGE

PRODUCT	PRODUCT DESCRIPTION
FoamaluX Colour	PVC sheet available in a vibrant palette of bright white and 12 colours
FoamaluX White	PVC sheet which optimises reproduction capabilities and UV stability to achieve outstanding print clarity and quality. Available in white only.
FoamaluX Ultra	PVC sheet with a weatherable high gloss finish in white and 6 dynamic colours
FoamaluX Xtra	PVC sheet with a black recycled core and co-extruded white surface

FABRICATION

The FoamaluX Ultra range provides versatile material with a high strength to weight ratio that can be easily worked with using basic wood and metal working tools and easily transported due to its lightweight nature.

Cutting – using a cutting knife or a straight, finely serrated blade mounted on a hand-saw, band saw, disc (circular) saw or jig-saw. Sheets exceeding 3mm must be sawn. It is also suitable for sawing, drilling, milling, routing and guillotining.

Fastening – Panels can be fixed to supporting structures using screws, rivets, nails and adhesive.

Bonding – can be bonded to itself or other materials.

Drilling – can be drilled using any conventional drill.

Welding – either by hot air welding or butt welding.

Die Cutting – flat shapes with complex outlines can be die cut from thinner sheets.

CHEMICAL RESISTANCE

FoamaluX Ultra rigid foam PVC, is resistant to most chemicals and atmospheric pollutants. Contact with solvents and wet wood preservatives must be avoided. See technical guide for full information details.

THERMOFORMING

FoamaluX Ultra can be thermoformed to complex shapes without any deterioration of its aesthetic or physical properties.

Folding – can be folded on a simple jig fitted with a forming tool having a radius of about two and a half times the sheet thickness.

Draping – by softening a panel to an elastic state, draping over an appropriately shaped pattern and retaining it until cooled and rigid.

Forming Temperatures

Components which are relatively simple and shallow in form are thermoformable from FoamaluX Ultra. An elastic state is reached between the temperature range 115-130°C.

WEATHER & UV RESISTANCE

FoamaluX Ultra can be used for short/medium term exterior applications due to increased weather endurance. Black, white and grey have the greatest colour retention while that of red and yellow is lesser. Applications most shaded from direct sunlight will retain colour longest.



FIRE PERFORMANCE

FoamaluX Ultra PVC typically achieves Class 1Y Surface Spread of Flame in accordance to BS 476: Part 7. Testing per other European standards has also produced high classifications.

FoamaluX Colour is available in a vibrant palette of bright white and 12 colours; FoamaluX White optimises reproduction capabilities and UV stability to achieve outstanding print clarity and quality; FoamaluX Xtra with a black recycled core and co-extruded white surface. Visit the website for further details.

REMEMBER

