



## COLOURED FOAM PVC SHEET

Foamalux, the world's leading rigid foam PVC sheet has a renowned reputation for ultra smooth and consistently even surfaces. Its quality, flawlessness and versatility offers the designer unlimited application possibilities in the creation of interiors, shop outfitting, signage, contemporary displays, product design and fabrication. Choose from an extensive choice of 15 vibrant colours (strawberry red, red, orange, sunburst yellow, yellow, ivory, green, blue, light blue, grey, black and 4 Limited Edition colours neon pink, neon green, raspberry, black sparkle) plus bright white which gives the best colour interpretation in digital printing and UV curing. All 1-19mm white sheets have a bright smooth surface for true colour interpretation.



### OPTIONS

- Thicknesses: 1-24mm in white, 3 & 5mm colours\*
- Colours : 15 strong, vibrant colours & bright white (specials available on request)

FOAMALUX	WHITE	COLOURS
1220 x 2440	1, 2, 3, 4, 5, 6, 8, 10, 13, 19 & 24mm	3 & 5mm**
1220 x 3050	2, 3, 5 & 10mm	–
1560 x 3050	2, 3, 4, 5, 6, 8, 10 & 19mm	–
2050 x 3050	2, 3, 4, 5, 6, 8 & 10mm	3 & 5mm

\* Limited Edition colours are available in 2050x3050 and 3mm  
 \*\* Not all colours are available in 1220x2440 as standard, please contact us for details

### MAIN BENEFITS

- Consistently even, offers an optimum surface for print and lamination
- 15 strong, vibrant colours in addition to bright white
- Self coloured
- Lightweight – easy to handle and install
- Suitable for direct to substrate digital printing
- Easy to cut, fabricate, glue and bond
- Suitable for 3D displays
- Versatile
- Excellent resistance

### APPLICATIONS

The entire range offers superb screen printing, direct to substrate digital printing, outstanding surface adhesion for vinyl and graphic applications. It is extremely formable and can be cut, bent, and thermoformed successfully. The diversity and variation of applications for Foamalux are endless, it has been used for:

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



### COLOUR CHART

COLOUR	PANTONE*		RAL*	
	Lighter	Darker	Lighter	Darker
	193C	195C	3003	3011
	1788C	1795C	3020	3001
	150C	152C	2003	2008
	135C	137C	1003	1006
	1215C	1235C	1018	1012
	355C	356C	6024	6029
	299C	301C	5017	5010
	284C	285C	5012	5015
	7C	9C	7000	7005
	Black C		7021	9004
	7506C	7508C	9001	1015
			9010	9003
	1775C	1785C	3015	3014
	386C	388C		6018
	220C	222C	4003	4004
			820-M	790-M

\* Pantone and RAL references are approximate colour matches for guidance purposes only

### PHYSICAL PROPERTIES

PROPERTIES AND TEST METHOD	VALUE
Moisture absorption: DIN 53495 (24 hrs @ 23°C)	<0.25% by weight
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 <sup>2</sup>
Average sheet hardness: DIN 53505	> 30 Shore D
Vicat softening temperature: DIN 53460	76°C
Thermal expansion coefficient: DIN 53752	68m/m.K x 10 <sup>-6</sup>
Thermal conductivity: DIN 52612 Method	0.085W/m.K

### PRODUCT RANGE

PRODUCT	PRODUCT DESCRIPTION
FoamaluX Colour	Extruded foam PVC sheet (unplasticised) available in a vibrant palette of bright white and 15 colours
FoamaluX White	Extruded foam PVC sheet (unplasticised) which optimises reproduction capabilities and UV stability to achieve outstanding print clarity and quality. Available in white only.
FoamaluX Ultra	Extruded foam PVC sheet (unplasticised) with a weatherable high gloss finish in white and 6 dynamic colours
FoamaluX Xtra	Co-extruded foam PVC sheet (unplasticised) with a black recycled core and co-extruded white surface

### FABRICATION

The FoamaluX range provides versatile, self-coloured 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 jigsaw. 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 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

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

**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.

### INSTALLATION

Applications of FoamaluX must make adequate allowance for thermal movement. Sufficient clearance must be allowed if holes are drilled for fixing and in rebates of support frames. For further guidelines on usage or installation instructions, please refer to the FoamaluX product guide.

### WEATHER & UV RESISTANCE

FoamaluX can be used for a number of short term exterior applications. 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.



Climate, location and project specifications should be taken into account when considering FoamaluX foam PVC for outdoor projects.

### FIRE PERFORMANCE

FoamaluX has been independently tested to various European Fire Test Standards. Contact the technical department for the most up to date certification.



FoamaluX White optimises reproduction capabilities and UV stability to achieve outstanding print clarity and quality. FoamaluX Ultra provides a weatherable high gloss finish in white and 6 dynamic colours; FoamaluX Xtra features a black recycled core and co-extruded white surface. Visit the website for further details.

