



the foamalux[®] range

COMPREHENSIVE RANGE OF FOAM PVC SHEET





foamalux®
FOAM PVC SHEET

FOAMALUX®
ULTRA
GLOSS FOAM PVC SHEET

FOAMALUX®
XTRA
COMPOSITE FOAM PVC SHEET



Presenting the ultimate range of foam PVC sheet

The Foamalux range is one of the world's leading brands of foam PVC sheet, earning a reputation for quality and performance with endless applications in the sign, display and print industries.



Brett Martin is a leading international manufacturer of a range of sign and display substrates. The company works in partnership with a world-wide network of distributors to supply the versatile and durable Foamalux range.

FOAM PVC SHEET

- Ideal surface
- Strong, vibrant colours
- Lightweight
- Easy to cut
- Fire retardant
- Formable
- Versatile



foamalu[®]

FOAMALUX	WHITE	COLOURS
1220 x 2440	1, 2, 3, 4, 5, 6, 8, 10 & 13mm	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

* Not all colours are available in 1220 x 2440mm as standard, please contact us for details.

FOAM PVC SHEET

The Optimum Surface

Foamalu provides the optimum surface finish for all types of processing, giving outstanding results for printing, application of vinyl or digital graphics and photographic print mounting. See page 8 for further information on Foamalu white.

Robust and Durable

A uniform, expanded closed cell structure gives Foamalu an ideal combination of strength and durability, resulting in excellent resistance to knocks and scratches.

Strong Colours

Foamalu comes in a wide range of popular, vibrant colours. Widely regarded as the best coloured sheets available, they are specified and requested by many due to their depth and intensity of colour.

Self Coloured

As Foamalu sheets are self coloured, they reduce the visual impact of knocks and scratches, so will look better for longer.

The Leading Lightweight

At approximately half the weight of solid PVC sheet and with Class I fire rating, Foamalu is ideal for use in exhibitions and displays, particularly when portability is an important factor.

The Designer's Choice

The versatility of Foamalu offers the designer unlimited scope to produce powerful yet cost-effective signs, displays, in-store graphics and merchandising.

A Great Worker

Working with Foamalu is straightforward and requires only standard tools for cutting, drilling and bending. Gluing, bonding and mounting are easily achieved when using recommended methods.

Greater Choice

Foamalu colours are available in a choice of widths, including 2050mm. This larger size increases the options for large format signage and allows greater cutting options, reduces waste and increases profit potential.





GLOSS FOAM PVC SHEET

- High gloss
- Cost-effective
- Lightweight
- Impact resistant
- Fire retardant
- Versatile



GLOSS FOAM PVC SHEET

High Gloss Surface

Foamalux Ultra is a strong and durable rigid foam PVC sheet with a high gloss PVC finish, giving it a superb surface.

Endlessly Versatile

Foamalux Ultra has endless applications in the sign, display and fabrication industries. Few other materials are as versatile or can be transformed in as many ways, bringing a third dimension to this flat sheet product.

Strong Colours

Deep, intense colours with a gloss finish ensure that Foamalux Ultra signs and displays will create a striking feature.

The Cost-Effective Choice

Utilising technology perfected in the production of other high performance sheet, Brett Martin has developed this substrate for the display and fabrication industries. It provides a quality gloss finish cost-effectively, increasing the variety of options open to design professionals.

More Options

The smooth, gloss surface is an integral part of the sheet and therefore will not de-laminate when fabricated. It is the ideal substrate for a variety of vinyl and ink finishes.



A comprehensive range of foam PVC sheet options, ensuring there is a Foamalux sheet for every application.



versatile

The entire range offers superb adhesion for all forms of graphic and cuts, bends and shapes very successfully.



lightweight

Lighter in weight than many other rigid substrates making it easier to handle and install, creating fewer health and safety problems.



fire ret

Class I surface of



Outstanding performance throughout the range



ardant

spread of flame.



flawless

Strict quality control ensures a superb surface finish and consistent colour, ensuring every job looks its best.



strong

A good strength to weight ratio ensures the Foamalux range is strong and resilient.

Dynamic performance



COMPOSITE FOAM PVC SHEET

Foamalux Xtra is a rigid, closed cell foam PVC sheet consisting of a core of re-cycled material with co-extruded smooth surfaces of virgin material. The high density, fine, uniform surface means a better quality finish for all types of processing and this flat, hard surface provides excellent adhesion for print and vinyl application.

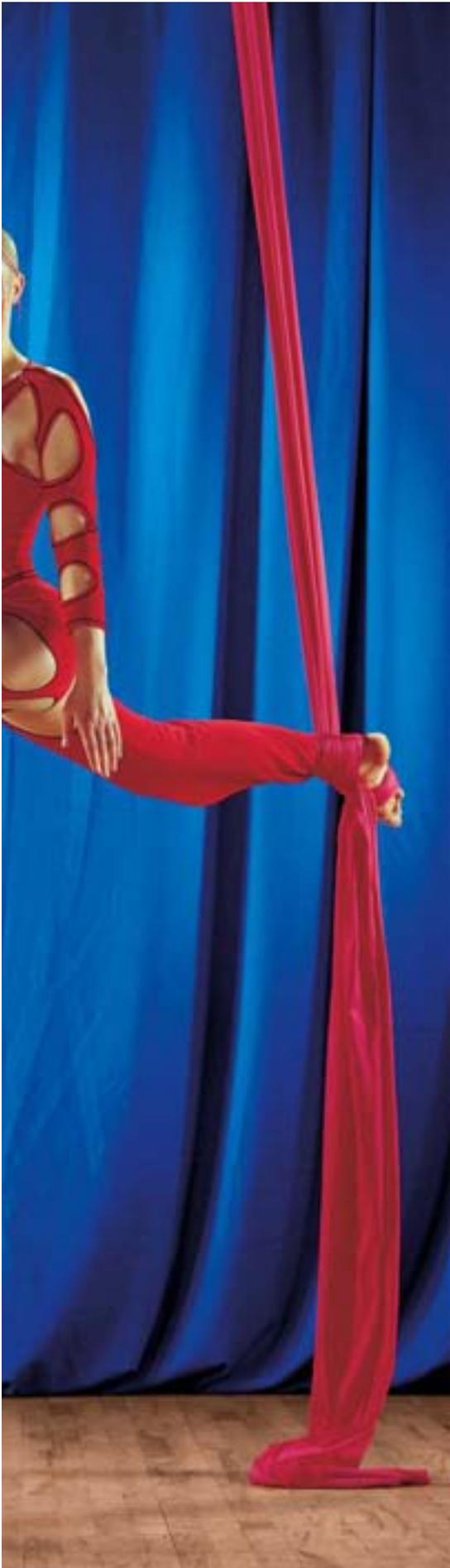
The hard surface also provides better wear, scratch and indent resistance than standard PVC foam sheet. The white surfaces and black core provide endless opportunities for creative projects and the black core also disguises dirt, ensuring that signs and displays look better for longer.

Available in 10mm and 13mm thicknesses, Foamalux Xtra is a good option where a thicker substrate is required but cost is a major consideration.



Foamalux Xtra S1 has a co-extruded white virgin material surface and recycled black base material. Foamalux Xtra S1 is available in 3mm and 5mm thicknesses.





WHITE FOAM PVC SHEET

- High quality digital imaging
- Excellent colour reproduction
- Superb output quality
- UV stability in the curing process
- Consistent surface quality
- Exacting sheet tolerances



WHITE FOAM PVC SHEET

Foamalux white is a next generation rigid foam PVC substrate, engineered for use with the new breed of high definition wide format digital printers.

Innovation

Extensive research into colour pigmentation led to the development of a brighter white colour formulation throughout the Foamalux range which optimises reproduction capabilities to achieve outstanding print clarity and quality.

Quality Every Time

A perfectly clean, crisp printing surface resulting in a noticeably brighter and truer print finish. Developed to provide the maximum levels of UV stability in the ink curing process, the highest standards of digital reproduction are achieved for demanding six and seven colour imaging requirements.

Ultra Smooth

Manufactured to exacting tolerances, the ultra smooth, semi matt surface finish provides a consistently even, reliable surface for digital printing.

Hard Surface

The hard, flat surface provides exceptional rigidity and mechanical properties for intricate die cutting and routing, whilst providing excellent resistance to knocks and scratches at the point of display.

Maximum Stand Out

With a brighter white base material, the colour pigmentation of Foamalux White achieves maximum stand out for print and display applications.

High Performer

Engineered to produce exceptional print quality at cost effective prices time after time, resulting in complete satisfaction for the print house and the customer.



APPLICATIONS

Signage

The Foamalux range is designed to match the opportunities created by the latest sign-making technology. These superb graphic substrates are durable, rigid and lightweight, with a resilient finish that shrugs off scratches and is easily cleaned.

Vinyl Application & Photo Mounting

The perfect substrates for the application of vinyl and photographic images, the entire Foamalux range offers very flat, rigid and stable sheets. The quality ensures excellent results free from visual distortion.

Screen Printing

The smooth surface finish of the Foamalux range is ideal for screen printing, providing excellent ink adhesion for both single and full colour processes.

Shop Fitting & Exhibitions

A uniform, expanded closed cell structure gives the Foamalux range an ideal combination of strength and durability and ensures good resistance to knocks and scratches. It is the perfect choice for shop fitting applications and exhibitions, as its Class 1 fire rating makes it suitable for interior applications.

Mounting

The Foamalux range provides the perfect substrate for all forms of mounting. The excellent surface finish and stability of the material provide the perfect medium for the application of high quality digital images.

Fabrication

The Foamalux range provides versatile, self-coloured material with a high strength to weight ratio that can be easily fabricated in a wide variety of ways, with countless opportunities in many areas.

It can be thermoformed to considerable depths and into complex shapes without any deterioration of its aesthetic or physical properties. Excellent results are also achieved when the material is bent, cut, folded, drape formed, glued, drilled, engraved or welded.



Direct Digital Printing

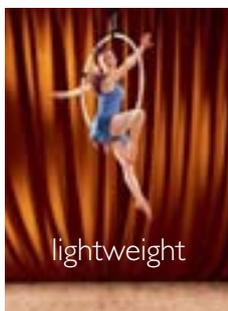
Brett Martin works closely with both machinery and ink manufacturers to refine its entire Foamalux range to offer optimum performance when printed directly.

Like all printing processes, digital printing requires a reliable substrate that will perform in exactly the same way every time you use it. Colour, surface finish, flatness and thickness must be consistent. The quality of Foamalux ensures that it performs to the same high standards every time you use it.

As inks and machinery vary, we recommend that the first time you use Foamalux on a new job you test it, as results may vary with different machines, inks and material thicknesses.



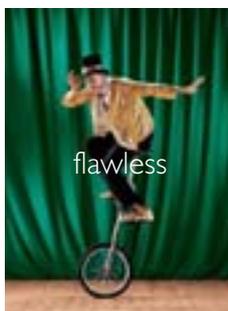
versatile



lightweight



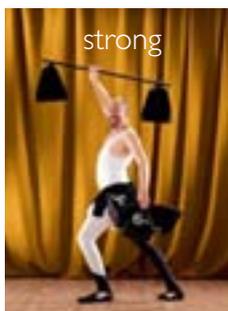
fire retardant



flawless



dynamic



strong

THE FOAMALUX STANDARD RANGE

FOAMALUX	WHITE	COLOURS
1220 x 2440	1, 2, 3, 4, 5, 6, 8, 10 & 13mm	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
FOAMALUX ULTRA	WHITE	COLOURS
1220 x 2440	3, 5 & 10mm	3 & 5mm
1220 x 3050	5 & 10mm	–
FOAMALUX XTRA	WHITE	COLOURS
1220 x 2440	10mm & 13mm	–
1220 x 3050	10mm	–
1220 x 4050	10mm	–
1560 x 3050	10mm	–
1560 x 4050	10mm	–
FOAMALUX XTRA S1	WHITE	COLOURS
1220 x 2440	3 & 5mm	–
1220 x 3050	3 & 5mm	–

PHYSICAL PROPERTIES	
Moisture absorption: DIN 53495 Method (24 hrs @ 23°C)	<0.25%
Tensile strength at yield: DIN 53455 Method	16MPa
Modulus of elasticity: DIN 53457 Method	0.9MPa
Elongation at break: DIN 53455 Method	27%
Impact resistance: DIN 53453 Method (Charpy test, un-notched)	15kJ/m ²
Shore hardness: DIN 53505 Method	Foamalux: 45-65 (3mm) Foamalux Ultra: 75-80 (3mm)
Vicat softening temperature: DIN 53460 Method	76°C
Thermal expansion coefficient: DIN 53752 Method	0.068mm/m°C
Thermal conductivity: DIN 52612 Method	0.085W/m°C

Exterior Performance

When absolute colour-fastness is not a critical issue, both Foamalux and Foamalux Ultra are suitable for exterior use. Foamalux Ultra, by virtue of its solid PVC co-extruded outer surface, performs better than Foamalux and other standard foam PVC sheets. Black, white and grey in most PVC sheets have greatest colour-fastness, while that of red and yellow is lesser. Applications most shaded from direct sunlight will retain colour longest.

*Not all colours are available in 1220 x 2440mm as standard

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Brett Martin's semi-finished product ranges include foam PVC, gloss foam PVC, flat sheet acrylic and flat sheet polycarbonate.

FOR THE LATEST INFORMATION PLEASE VISIT THE COMPANY'S WEB SITE:

www.brettmartin.com



Certificate No. Q99123

BS EN ISO 9001:2000

BRETT MARTIN



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