



**foamalux<sup>®</sup>**

FOAM PVC SHEET

# BRIGHT WHITE



FOR WHITE THAT MAKES YOUR PRINT LOOK MINT



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# BRIGHT WHITE



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



#### HIGH DEFINITION SUBSTRATE

New levels of image quality, greater print resolutions, six colour imaging, advanced image processing and image smoothing technologies - all delivered in the latest digital technology - demands quality substrates which reproduces the quality output of dazzling images and pin sharp text for the highest quality signs, point of purchase displays and exhibition backdrops. Foamalux White has been developed in consultation with digital equipment manufacturers and ink producers to ensure maximum compatibility with evolving digital technologies.

#### DELIVERING PHOTOGRAPHIC QUALITY EVERY TIME

Utilising an innovative colour formulation, Foamalux White, contains a finely balanced blend of optical pigmentation to produce a brighter white substrate which optimises reproduction capabilities for outstanding print clarity and quality.

- High quality digital imaging
- Excellent colour reproduction
- Superb output quality
- UV stability in the curing process
- Consistent surface quality and exacting sheet tolerances
- Range of thicknesses from 1-19mm for varying applications
- Range of sheet widths up to 2050mm for wide and super-wide format printers

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### SUPER SMOOTH

Manufactured to exacting tolerances, the ultra smooth, semi matt surface finish of Foamalux White provides a consistently even, reliable surface for digital printing. The flat consistent surface works in harmony with machine calibrations to facilitate faster quality output to maximise productivity.



### SUPER STRONG

A uniform, expanded closed cell structure gives Foamalux White a hard, flat surface, providing exceptional rigidity and mechanical properties for intricate die cutting and routing. The hard surface is also more durable providing excellent resistance to knocks and scratches at the point of display.



### SUPER WHITE

A brighter white base material, the colour pigmentation of Foamalux White has been specifically formulated to provide exceptional colour reproduction throughout the spectrum, to achieve maximum stand out for print and display applications. The pigment formulation has been painstakingly innovated to provide the maximum levels of UV stability in the ink curing process to produce outstanding image quality and the highest standards of digital reproduction for demanding colour imaging requirements.



### SUPER COMPETITIVE

In today's fast paced, highly-charged print-for-pay marketplace differentiating your company from the competition is critical, the next job depends on the ability to deliver a quality product - on time - today. Foamalux White is a high performance digital substrate, engineered to produce exceptional print quality at cost effective prices time after time after time, resulting in complete satisfaction for the print house and the customer.



SHEET SIZE (mm)	THICKNESS (mm)
1220 x 2440	1, 2, 3, 4, 5, 6, 8, 10 & 13mm
1220 x 3050	2, 3, 5 & 10mm
1560 x 3050	2, 3, 4, 5, 6, 8, 10 & 19mm
2050 x 3050	1, 2, 3, 4, 5, 6, 8 & 10 mm



### FIRE PERFORMANCE

Foamalux White is self extinguishing and complies with the most demanding international fire standards achieving fire rating Class I surface spread of flame (for a complete list of international standards please refer to the Foamalux technical guide).

PROPERTY	TEST METHOD	VALUE
Base polymer	-	Polyvinyl Chloride (PVC)
Smell	-	Odourless
Moisture absorption (24 hrs @ 23°C)	DIN 53495	<0.25 % by weight
Water solubility	DIN 53122	Insoluble
Oxygen index	-	49 %
Tensile strength at yield	DIN 53455	16 MPa
Modulus of elasticity	DIN 53455	0.85 MPa
Elongation at break	DIN 53455	29 %
Flexural strength	DIN 53452	25 MPa
Impact resistance (Charpy test, un-notched) Shore	DIN 53453	15 kJ/m <sup>2</sup>
hardness (3 mm) Vicat	DIN 53505	45 - 50
softening temperature	DIN 53460	76°C
Thermal conductivity, K	DIN 52612	0.085 W/m°C
U value (3 mm)	-	4.8 W/m <sup>2</sup> /K
U value (5 mm)	-	4.4 W/m <sup>2</sup> /K
Thermal decomposition temperature	-	>200°C
Thermal resistance, R (3 mm)	CEN 492	0.20 m <sup>2</sup> K/W
Thermal expansion coefficient	DIN 53752	0.068 mm/m°C
Service temperature range	-	-20 à +60°C
Dielectric strength	DIN53481	~100 kV/cm
Surface resistance	DIN 53482	>10 <sup>11</sup> Ω
Volume resistivity	DIN 53482	4 x 10 <sup>11</sup> Ω cm
Dielectric constant (1 kHz)	DIN 53483	2.4
Dielectric dissipation factor (1 kHz)	DIN 53483	0.013
Comparative Tracking Resistance	DIN IEC 112	600 V
Sound attenuation (3 mm) (100-3500 hz)	-	19dB



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Certificate No. Q09125  
BS EN ISO 9001:2000

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