

Technical File

**AP2011-01/C
 JULY 2011**

Product **VISUAL FOAM**

Description **VISUAL FOAM** is a panel consisting of a polystyrene core laminated on both sides with a coated paper with a high whiteness, a luxurious smoothness and a very high regularity. This panel also features a high rigidity and excellent dimensional stability. It is therefore the preferred media for all applications where print quality and visual impact are crucial

Properties

Material	Core : Polystyrene – white	<i>Weight : 480 g/m² for the panels 10mm thick Weight : 280 g/m² for the panels 5mm thick</i>
	On both sides: pure cellulose paper bleached - 300g/m ² ± 5%	
Thickness	5.0 +/- 0.5mm	10.0 +/- 0.5mm
PH	Neutral	
Whiteness CIE (ISO 11475)	122%	
CIE (CIELAB SCAN-P 72)	L : 94.2 % - a : 1.6% - b : -8.0%	
Gloss (T-840)	51	
Reflectance ISO (ISO 2470)	91	
Reflectance GE	92	
Roughness (Parker Print ISO 8791)	1.0	
Compressive strength(S/LAB/01)	> 1 N/mm ² for the panels 5mm thick	> 1.4 N/mm ² for the panels 10mm thick
Dimensional tolerance	-0 / +10mm	
Square fault	Maximum : 5mm per meter	
Bending	Maximum : 5mm per meter	

Transformation

Cutting	Cut with a simple knife or digital cutting machine, ...
Impression	<ul style="list-style-type: none"> • Can be printed on flat bed. Compatible with all current digital inks • Printable by all conventional printable techniques: screen printing, flexo, ...
Lamination	<ul style="list-style-type: none"> • Manual or industrial lamination, • T ≤ 90°C • Dry or humid (without solvent glue)

Environmental aspect

<ul style="list-style-type: none"> - Manufacturing site certified ISO 14001 (2004) - Without CFC gases - Compared with polyurethane, polystyrene foam does not produce hydrocyanic acid (even in small quantities, HCN acid is dangerous for health and environment) and generates 5 times less carbon monoxide when burned.

Storage

Recommended storage conditions	Stock flat - Maximum recommended temperature: 30°C
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