TECHNIKAI ADATLAP

Expofoam habkarton

Technical file	AP2010-01/F NOVEMBRE 2011
Product	**EXPOFOAM**
Description	**EXPOFOAM** *is a panel consisting of a polystyrene foam coated with aluminum foil lacquered white on both sides. Impervious to moisture this panel is characterized by a high rigidity and an excellent dimensional stability. It is specially designed for mounting and lamination and is also perfectly suitable for UV digital printing.*

Properties

Material	Core : Polystyrene foam - white	
	On both sides of the core: Aluminium foil lacquered white / paper - 300g/m²	
Thickness	5.0 +/- 0.5mm	10.0 +/- 0.5mm
Weight	1098 g/m² ± 10%	1266 g/m² ± 10%
Water absorption	< 3g/100cm^3 immersed for 2 days at 20°C	
PH	7.5 – 8.5	
Surface tension	≥ 38mN/m	
Dimensional tolerance	± 2mm	
Square fault	Maximum : 4 mm / 1 meter	
Bending	Maximum : 5mm / 1 meter	

Transformation

Cutting	Cut with a simple knife or digital cutting machine
Printing	- Can be printed on flat bed. Compatible with all current digital UV inks. - Can be screen-printed - Compatible with all current UV inks - Maximum temperature processing recommended: 90°C
Lamination	- Manual or industrial lamination - Maximum temperature processing recommended: 90°C - Compatible with dry and humid process (without solvent glue)

Environmental aspect

- Without CFC gases
- Compared with polyurethane, polystyrene foam does not produce hydrocyanic acid (even in small quantities HCN acid is dangerous for the health and the environment) and generates 5 times less carbon monoxide when burned.

Storage

Recommendation	These panels must be stored horizontally