



## Airplac<sup>®</sup> EXPO Foam

TECHNICAL DATA SHEET AP201507/F – 2017/05/14

**Airplac<sup>®</sup> EXPO** is a lightweight expanded polystyrene white EXTRA-RIGID foam-centred board lined on both sides with a composite sandwich of aluminium foil lacquered white, solid white carton and plastic. Impervious to humidity, this foam board is EXTREMELY RIGID with EXCELLENT DIMENSIONAL STABILITY. It is specially designed for mounting and lamination and is also suitable for digital printing..

*Main uses: Digital printing, Photo-mounting, Point of Sale applications, Indoor hanging signs and exhibition graphics, Decors, ...*

### Technical characteristics

<b>Thickness / weight</b>	5.0 ± 0.5mm	10.0 ± 0.5mm
	996 g/m <sup>2</sup> ± 10%	1196 g/m <sup>2</sup> ± 10%
<b>Core material</b>	<b>White rigid polystyrene foam</b> Highly compression-resistant The foam is colour-stable: does not yellow over time <i>Test report :Standard VDA 75 202-3 A1-3, available on request</i>	
<b>Liners</b>	<b>White carton coated with an aluminium foil covered with a solid white plastic film</b> High dimensional stability due to the presence of the aluminium foil Material colour-stable: does not yellow over time	
<b>PH</b>	7.5 – 9.5 (acid-free)	
<b>Surface tension</b>	≥ 38 mN/m	
<b>Dimensional stability</b> : ± 2mm	<b>Squaring</b> : Maxi 4mm / 1 metre	<b>Out-of flatness</b> : Maxi 5mm / 1 metre

### Processing options

<b>Cutting</b>	Cut with a simple cutter, digital flat-bed cutting machines or industrial die-cutting machines.
<b>Printing</b>	Can be screen-printed or printed directly on digital printers - Compatible with all current inks - Paintable (acrylic paint) - Maximal working temperature 70°C – Maximal spot temperature: 90°C
<b>Lamination/mounting</b>	Manual or industrial lamination or mounting - Compatible with dry or humid process (non- solvent glue) - Maximal working temperature 70°C – Maximal spot temperature: 90°C

### Environmental aspects

- ✓ None of the components contain any SVHC according to REACH,
- ✓ Paper produced on site certified FEFC,
- ✓ **Airplac<sup>®</sup> EXPO** is manufactured on a site certified ISO 14001,
- ✓ Polystyrene core 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. Polystyrene foam generates 5 times less carbon monoxide when burned. *Test report 761/07 according to the standard VDA 75 202-3 A1-3, implemented by the Central Laboratory of the prefectural police, available on request.*

### Storage

We recommend to store these panels flat, in a dry place, ideally between 15 -25°C  
 Before use, leave for 24 hours in the converting area

Non contractual document