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Airplac® BLOCK

Technical data sheet for Airplac® BLOCK

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Airplac® BLOCK, is a lightweight high-density cellular foam specially designed to create multiple 3D shapes, objects, letters and numbers for POS & signage

Main uses: Hot-wire applications, Sculpture, Shapes, Letters, Numbers, Modelling, Decors, Hobby crafts ...

Technical characteristics

Thickness	30.0 ± 2mm	50.0 -2/+3mm	80.0 -2/+3mm
Material	Solid white polystyrene foam – XPS High density		
Weight	31 – 40 kg/m^3 (EN 1602:2013)		
PH	Acid-free		
Compressive strength	≥ 500 kPa (EN 826:2013)		
Dimensional stability	$\Delta\varepsilon_L \leq 5\%$ - $\Delta\varepsilon_W \leq 5\%$ - $\Delta\varepsilon_T \leq 5\%$ (EN 1604:2013 - Temperature: 70°C / 90% RH)		
Fire classification	E (EN 13501-1:2007 + A1:2009)		
Length / Width : ± 8mm (size 1250x600mm) ± 2mm (lower sizes)	**Squaring** : Maxi 4mm / 1 metre	**Out-of flatness**: Maxi 5mm / 1 metre	

Processing options

Cutting	Hot-wire, Cut with a simple cutter, digital cutting machines
Printing	Can be screen-printed or printed directly on digital printers - Compatible with all current inks without solvent- Paintable (acrylic paint) - Maximal working temperature 70°C – Maximal spot temperature: 90°C
Sticking	Compatible with all current glue without solvent (acrylic, ...)

Environmental aspects

- ✓ None of the components contain any SVHC according to REACH,
- ✓ 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 this material flat in a dry place, ideally between 15 -25°C

Non contractual document