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Technical data sheet
FW1100-120240 : AERFLY® white 10mm

Excellent ratio Light weighting and rigidity expanded polystyrene foam board, for **INDOOR / OUTDOOR** applications.

Main uses: Displays (POS) - Signage| Lettering- Corporate identity

Layout of | stores Layout of showcases - interior design| Furniture manufacturing

Construction of | stands Exposure technique - Model making| Do-it-yourself- Short-term promotional campaigns

Transportation, sandwich panel composites, Building partition , Décor, light furniture…

Technical characteristics

Thickness /Density	10.0 ± 0.3mm / 100 Kg/m3 ± 5%
Core material	**White polystyrene foam** The foam is colour-stable: does not yellow over time
Thermal Conductivity	31mW/m.K
E-modul (bending test)	254 MPa (ISO 178)
Flexural Strength	5 MPa (ISO 178)
Dimensional stability @23°C	No dimension variation
Continuous Usage Temperature	Up to 70°C
Fire classification	Not classified (EURO CLASS F)
Water absorption (%)	<1 (DIN 53495)

Product specifications

- Thickness : 10.0 ± 0,3 mm

Standard Format (Wx L)
- Width : 1200 ± 0,3 mm
- Length : 2400 ± 0,3 mm

• Colour : **White**
• Protective film : **No**
• Suitable for interior and exterior uses
• Pure, unmixed core Polystyrene
(100% recyclable)

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Processing options

Cutting	Cut with a simple cutter, digital flat-bed cutting machines or industrial die-cutting machines, water jet cutting
Printing	Can be screen-printed or used directly on digital printers - Compatible with UV current inks - Maximal working temperature 70°C
Lamination/mounting	Manual or industrial lamination or mounting - Compatible with dry or humid process (non- solvent glue) - Maximal working temperature 70°C
Sawing **Milling / CNC** **Drilling** **Bending by V cut** **Gluing** **Overlaying** **Screwing** **Varnishing**	

Environmental aspects

√ None of the components contain any SVHC according to REACH
√ *Product* manufactured on a site environmentally friendly
√ 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.*
√ *Phthalate contents* < 0.01 mg/kg – Results obtain by gas chromatography - Test report available on request

Storage

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

Features

- Strong & Durable , Light Weight and easy to install
- Not easy to scratch
- Will not rot, wrap , delaminate, or twist
- Resistant to weathering , shock, abrasion
- Can be worked just like wood
- Non Toxic
- Easy to clean, no maintenance after installation
- 100 % recyclable
- Thermoformable