

# STRATUS FOAM AERFLY

## Description:

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

TECHNICAL CHARACTERISTICS	
<b>Thickness</b>	10.0 ± 0.3mm / 100 Kg/m <sup>3</sup> ± 5%
<b>Core material</b>	White polystyrene foam The foam is colour-stable: does not yellow over time.
<b>Thermal Conductivity</b>	31mW/m.K
<b>E-modul (bending test)</b>	254 MPa ( ISO 178 )
<b>Flexural Strength</b>	5 MPa ( ISO 178 )
<b>Dimensional stability @23°C</b>	No dimension variation
<b>Continuous Usage Temperature</b>	Up to 70°C
<b>Fire classification</b> <b>Water absorption ( % )</b>	Not classified ( EURO CLASS F ) <1 ( DIN 53495 )

PRODUCT SPECIFICATIONS	
<b>Thickness</b>	10.0 ± 0,3 mm
<b>Standard Format ( Wx L )</b>	Width : 1305 ± 0,3 mm - Length : 2400 ± 0,3 mm
<b>Colour</b>	White
<b>Protective film</b>	No

**Suitable for interior and exterior uses**

**Pure, unmixed core Polystyrene (100% recyclable)**

PROCESSING OPTIONS	
<b>Cutting</b>	Cut with a simple cutter, digital flat-bed cutting machines or industrial die-cutting machines, water jet cutting
<b>Printing</b>	Can be screen-printed or used directly on digital printers - Compatible with UV current inks - Maximal working temperature 70°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
<b>Sawing Milling / CNC Drilling Bending by V cut Gluing Overlaying Screwing Varnishing</b>	



**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, warp , 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

**Available in the online store:**

PL635900 STRATUS FOAM AERFLY 10MM 500X700MM  
PL635910 STRATUS FOAM AERFLY 10MM 700X1000MM  
PL635920 STRATUS FOAM AERFLY 10MM 1200X2400MM  
PL635930 STRATUS FOAM AERFLY 20MM 500X700MM  
PL635940 STRATUS FOAM AERFLY 20MM 700X1000MM  
PL635950 STRATUS FOAM AERFLY 20MM 1200X2400MM

