beautiful
LARGE FORMAT PRINT

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MATERIAL DATASHEET · RIGID BOARDS

Smart-X Polystyrene Foam Board

A light, rigid polystyrene foam board with tough, smooth faces. Fully recyclable, and good outdoors for up to two years.

Ref PS-SMX-066
Issue November 2026

THICKNESS	WEIGHT	RECYCLABLE	ONE PIECE
5 or 10mm	**1.0 to 1.9 kg/m²**	**100%**	**3020 x 1530mm**
Polystyrene throughout	5mm / 10mm	Single material	From a 3050 x 1560 sheet

ABOUT THIS MATERIAL

An expanded polystyrene core between solid, impact-resistant polystyrene faces. It's lighter than Foamex at the same thickness, stays flat, ignores damp and is made from one material, so the whole board can be recycled.

GOOD FOR

- Exhibition and retail display panels
- Lightweight wall signs
- Outdoor signs for up to two years

TECHNICAL PROPERTIES

Construction	**Expanded polystyrene core, solid polystyrene faces**
Weight	**5mm about 1.0 kg/m²; 10mm about 1.9 kg/m²**
Flexural strength	**5mm 10 MPa; 10mm 7 MPa**
Service temperature	**-10°C to +70°C**
Outdoor life	**Up to two years without significant colour change**
Recyclable	**Yes, 100% polystyrene**

HOW WE PRINT AND FINISH IT

PRINT METHOD	FINISHING	LARGEST ONE PIECE	USE
UV printed direct, in-house, single or double sided	**Digitally cut: square, radius, circle or custom shape**	**3020 x 1530mm**	**Indoor, and outdoor for up to two years**

FIRE PERFORMANCE

Not fire rated

No EN 13501-1 classification

If your venue needs a fire-rated board, ask us and we'll suggest one, such as Foamex or Dibond.

Fire class	**None stated by the manufacturer**
Source	**Manufacturer's technical datasheet**

Typical values. Figures come from the manufacturer's data and can vary slightly between batches. If your venue needs something specific, ask us before you order and we'll check it for you.

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