NEW

SMART-X®

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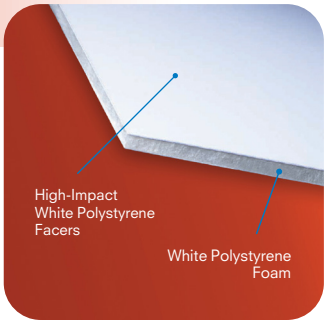
3A COMPOSITES

Engineered for **exterior use** and **100% recyclability**

Superior Durability, Impressive Rigidity and 100% Recyclability



This extremely lightweight foam board is comprised of solid polystyrene facers and an expanded polystyrene foam core. It offers weather & UV-resistant HIPS surfaces & a moisture-resistant core, making it an **excellent solution for long term & exterior applications**. Its high strength to weight ratio provides an extremely rigid yet lightweight board, and because there is no adhesive used in the manufacturing process it can be fully recycled at end of life.

PRODUCT FEATURES & BENEFITS

- High UV stability & moisture resistance
- Very good resistance to weathering & warping
- Smooth, matte surfaces deliver excellent direct digital printing results
- 100% pure polystyrene for easy recyclability - no adhesive used
- Extremely rigid and light weight
- Can be V-cut and folded for 3D displays
- Vinyl graphics are repositionable

FABRICATION & PROCESSING

- Direct Digital Printing
- Screen Printing
- Laminating / Mounting
- Painting
- Contour Milling
- Knife Cutting
- Laser Cutting
- Sawing
- Gluing
- Drilling/Screwing
- Folding (V-groove)
- Cold Bending

APPLICATIONS

- Outdoor Signage
- POP / POS Displays
- Signage & Lettering
- Wayfinding & Directional Signage
- Window Displays
- Shop Design
- Corporate Identity Programs
- Exhibition Design
- Promotional Campaigns
- In-Store Partitions

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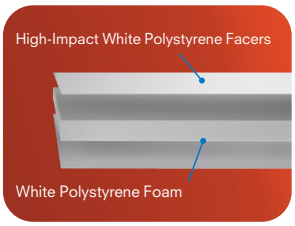
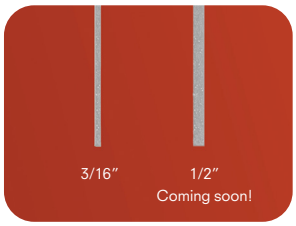
A foam board engineered for **exterior use** and **100% recyclability**





PRODUCT AVAILABILITY

Gauges	Facers	Core	Sizes
3/16" **1/2″ Coming Soon!**	White	White	48″ x 81″, 48" x 96", 60″ x 81″, 60″ x 120″

RECYCLED CONTENT

A portion of recycled polystyrene material is used in the manufacture of SMART-X foam boards. The production processes have been optimized to ensure waste from production is recovered at the site itself and processed externally before being fed back into the production process. All raw materials used in SMART-X foam boards comply with the requirements of the European Union's Chemicals Regulation (REACH). They are also free of any of the substrances listed in the ECHA Candidate List of Substances of Very High Concern (SVHC).

CARBON FOOTPRINT

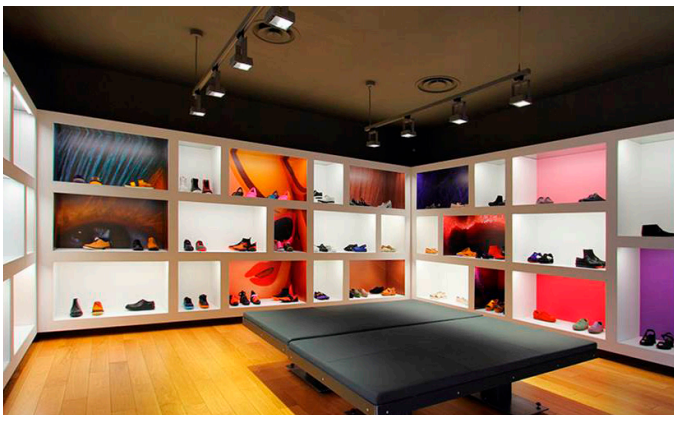
SMART-X foam boards offer advantages in terms of weight and a high degree of stability/rigidity due to their unique structure of expanded polystyrene core and HIPS facers. As the foam core is the main component of the product, fewer resources are required for manufacturing and material has a lower carbon footprint.

RECYCLABILITY

SMART-X is made up of 100% pure polystyrene, making it a mono-material and perfectly suitable for recycling. In recent years, the production process has been continually optimized to recover and reuse production waste on site and feed back into the manufacturing process.

PRODUCT LIFE CYCLE

SMART-X foam boards are extremely light weight and ideal for both indoor and outdoor applications. Popular applications include free-standing POP/POS displays or as a printing substrate for a variety of signage applications. In outdoor applications over a period of up to 2 years, the material's unique properties ensure there are no adverse effects on product performance, allowing for a longer term use life.



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