

SMART-X[®]

DISTINCTIVE AND UNIQUE

FOR YOUR SOPHISTICATED ADVERTISING.



SMART-X®

DISTINCTIVE AND UNIQUE FOR YOUR SOPHISTICATED ADVERTISING

PRODUCT

SMART-X® the distinctive and unique lightweight foam board for sophisticated applications in the field of visual communication.

SMART-X® is a lightweight, all-plastic sheet material with surfaces of UV and weather resistant solid polystyrene (HIPS) and a core of expanded polystyrene that is completely moisture-resistant. These characteristics make SMART-X® the world's only lightweight foam board for external applications without any significant change in colour for a period of up to two years. Due to its refined surface structure and the large format production (up to 2 meter width) SMART-X® is also perfectly suited for direct digital printing.

Moreover, SMART-X® is a mono-material composite made from 100% polystyrene and, therefore, perfectly meets the demand for ecological materials in the area of visual communication.

SMART-X® – AT A GLANCE

- High stability and very low weight
- Very good resistance to weathering – with high UV stability and humidity resistance, no deformation
- Refined surface structure
- Brilliant printing results with direct digital printing, offering vibrant colours even for exterior applications
- Also available in 2 meter width
- Temperature resistance from -10°C up to +70°C
- Low resistance during contour milling

SMART-X® – THE GREEN ASPECT

- SMART-X® is a mono-material composite made from 100 % polystyrene (no adhesive between core and cover layers)
- Ecological - SMART-X® with a homogeneous compound is 100% recyclable
- About 95% of the production waste of the SMART-X® production is collected and recycled on-site

APPLICATION

PRINTING – CUTTING – ASSEMBLING

SMART-X® can be used with all lamination and printing techniques for applications in the field of advertising signage, event marketing and POS/POP displays. Thanks to the excellent ratio of extremely low weight and high rigidity and flatness, SMART-X® is ideal for the following two-dimensional applications:

- All types of signage, especially large-format or long and narrow signs – formats where other materials usually deform.
- Optimal for self-supporting, free-standing structures – directly printed – milled – shipped flat – assembled on site.
- Life-sized fashion displays made from SMART-X® – directly printed – contour milled – assembled on site – ready to go!

Our customers are convinced of the unique qualities of SMART-X®. Major furniture stores, DIY stores, food retail chains as well as suppliers of POS/POP displays and service providers in the event marketing industry are just a few examples of the satisfied SMART-X® customer base.

Additional safety requirements and detailed processing instructions for SMART-X® can be received upon request.

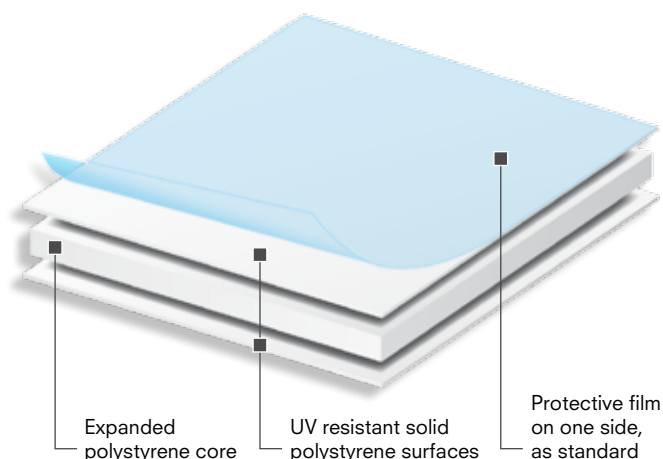
Application examples on the right side:

Shop signs in the IKEA store in St. Petersburg, Russia
Shop decoration in the German department store chain, Galeria Kaufhof
POS/POP displays, created by: www.blickpunkt.se
SMART-X® application – connector / folding technique



PRODUCT RANGE

COLOUR	<input type="checkbox"/> white
THICKNESS	5 mm 10 mm
STANDARD FORMATS (WxL)	1220 x 2440 mm 1220 x 3050 mm 2030 x 3050 mm



PRODUCT INFORMATION

THICKNESS	5 mm	10 mm
WEIGHT	1,13 kg/m ²	2 kg/m ²
E-MODUL (BENDING TEST)	EN ISO 178	400 MPa
SERVICE TEMPERATURE	–	up to 70°C
THERMAL EXPANSION	DIN EN ISO 75-2	0,08 mm/(mK)
FIRE CLASSIFICATION	UL 94	class 94HBF

100% HOMOGENEOUS POLYSTYRENE – RECYCLABLE

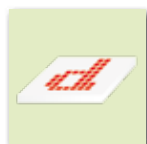
ROHS DIRECTIVE

SMART-X® meets the requirements of the RoHS/WEEE directives of the European Union on the restriction of hazardous substances. SMART-X® foam boards do not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs), formaldehyde, CFCs, asbestos, plasticizer nor silicone.

REACH REGULATION

SMART-X® meets the requirements of the current version of the European Union chemicals regulation (REACH). In particular, SMART-X® foam boards do not contain any of the substances which are listed in the current version of the ECHA Candidate List of "Substances of Very High Concern" (SVHC).

PROCESSING AT A GLANCE



Digital printing



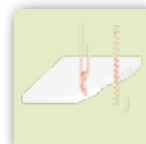
Laminating/
Mounting



Overlacquering/
Varnishing



Sawing



Contour cutting/
Contour milling



Gluing