FOREX®

FOREX® smart

tema PLEX



The technical aspects of FOREX®smart.

The most important product properties.

		5 mm	10 mm
Weight		1,13 kg/m²	2 kg/m²
Elasticity modulus (flexure test)	EN ISO 178	400 MPa	
Service temperature	–	up to 70°C	
Coefficient of linear expansion	DIN EN ISO 75-2	0,08 mm/(mK)	
Flammability	UL 94	class 94HBF	

100 % recyclable

The available range.

Colour	☐ white	☐ white	■ black
Thickness	5 mm	10 mm	5 mm
Width	1220 mm	1220 mm	1220 mm
Length	2440 mm, 3050 mm	2440 mm, 3050 mm	2440 mm, 3050 mm

Convincing advantages at a glance:

- Lightweight all plastic sheet material with a core of expanded polystyrene and surfaces of solid polystyrene
- Lightweight – rigid – hard surfaces
- FOREX®smart is of uniform composition representing a recycle-friendly material concept – 100% recyclable
- Very good weathering properties and outdoor use up to 2 years
- Moisture-resistant
- Excellent printability, perfect ink adhesion and easy finishing
- FOREX®smart black now available with protective film on one side, as standard

Ways of processing:

- New, unused sheets must be stored dry, flat and well protected from heat and dust
- Screen-printing with standard inks formulated for polystyrene
- Direct digital printing with UV curing inks
- Cut to size on circular saws using a saw blade with tungsten carbide tipped teeth with an alternating flat and trapezoidal tooth design
- Allow for free dimensional change (beware of thermal expansion) of mounted sheets by using screws with large dia washers or cable ties for fastening

Applications:

- Can be used flat and vertically
- Recommended for exterior signage
- Hoarding
- Event marketing
- Advertising
- POS / POP

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