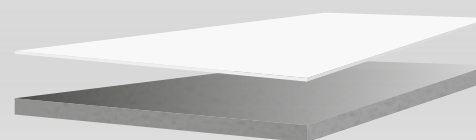
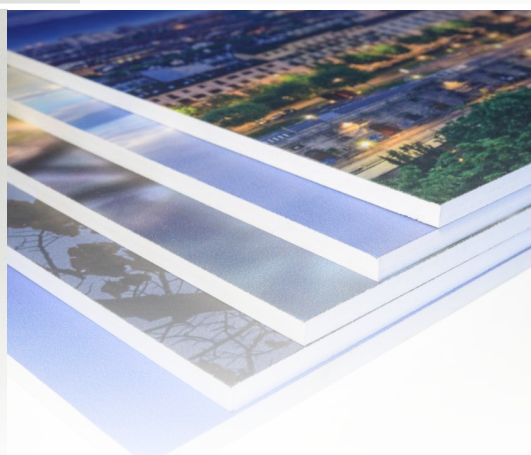




VEKAPLAN CX Duo-K/SF

Light and robust for demanding applications



 **VEKAPLAN**
ALWAYS THE IDEAL SOLUTION

VEKAPLAN CX Duo-K/SF

Light and robust for demanding applications

VEKAPLAN CX Duo-K/SF consists of a PVC rigid foam layer with a top layer made of compact PVC on one side. Manufactured using a complex co-extrusion process, the sheet combines two important advantages of our sheet systems VEKAPLAN K and VEKAPLAN SF: its multilayer design ensures high impact resistance in conjunction with low weight.

VEKAPLAN CX Duo-K/SF exhibits excellent printability and furthermore, is available with different surface finishes. The sheet is thus ideal for applications with demanding mechanical and optical requirements.

Packaging units / delivery overview

Co-extruded PVC sheet K/SF: compact top layer in a freely selectable colour on a white or grey rigid foam layer. Protection film on one side. Available upon request, packed on pallets.

Colour of top layer

- upon request

Colour of rigid foam layer

- white
- grey

Finish

- wood grain
- smooth
- embossed

Example applications

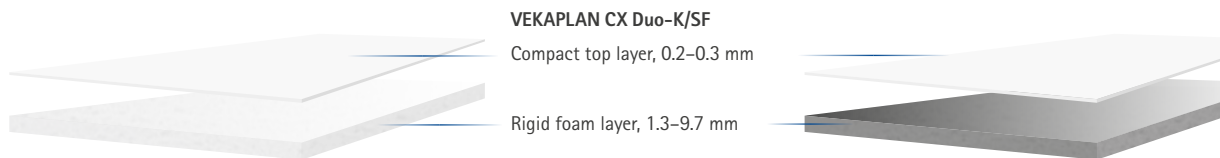
- sandwich panels
- vehicle construction
- door panels
- wall cladding

Properties

- lightweight and impact resistant
- colour fast
- weather resistant
- moisture resistant
- highly chemical resistant
- recyclable

Processing

- sawing, drilling, milling
- screwing
- punching
- painting
- adhesive bonding
- laminating
- screen printing, digital printing
- hot-forming, vacuum forming



Property	Standard	Value
Thickness [mm]		1.5-10
Density [g/cm ³]	DIN EN ISO 1183	0.85 (4 mm)
Tensile strength [MPa]	ISO 527 (50 mm/min)	27.0
Modulus of elasticity in tension [MPa]	ISO 527 (50 mm/min)	1,600
Impact strength (Charpy) [kJ/m ²]	ISO 179/1eU	20.0
Notched impact strength [kJ/m ²]	ISO 179/1eA	2.0-3.0
Flexural strength [MPa]	ISO 178 (2 mm/min)	45.0
Flexural modulus of elasticity [MPa]	ISO 178 (2 mm/min)	1,650
Shore hardness D	ISO 868	63
Ball indentation hardness [N/mm ²]	ISO 2039-1	20.0
Coefficient of expansion [mm/mK]	DIN 53752	≤0.07
Vicat softening point [°C]	ISO 306 (B50)	62
Heat distortion temperature [°C]	ISO 75-2 (1.8 MPa)	60
Water absorption [%]	ISO 62 (after 216 h)	0.4
Fire rating	DIN EN 13501-1	C - s3 d2 (2.0-2.5 mm)
Gloss level (compact top layer)		40 ± 10

Thickness [mm]	Width [mm]	Length
1.5-10	1,000	optional
	1,250	
	1,500	
	2,000	