



VEKAPLAN K

Impact resistant and compact to meet all your requirements



 **VEKAPLAN**
ALWAYS THE IDEAL SOLUTION

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Impact resistant and compact to meet all your requirements

VEKAPLAN K is a compact sheet made of rigid PVC which is characterised by its increased impact strength and its diverse processing options.

It is also resistant to environmental influences as well as to common cleaning and sterilising agents. With this combination of favourable characteristics VEKAPLAN K is the perfect sheet for versatile applications both indoors and outdoors.

Packaging units/Product range overview

PVC-compact sheet, white, with protective film on one side, packed on pallets. Quality C - s3 d1 in accordance with EN 13501-1.

Colour

- white

Application examples

- exhibition construction
- shop fitting
- displays
- signage
- wall cladding
- special purpose vehicle construction
- frame panelling
- sanitary rooms
- sandwich elements
- interior and exterior architectural detail

Properties

- increased impact resistance
- colourfast
- weather-resistant
- moisture-resistant
- non-swelling
- highly chemical resistant
- recyclable

Processing

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

Properties	Standard	Value
Thickness [mm]		1–10
Density [g/cm ³]	DIN EN ISO 1183	1,40–1,46
E-modulus [MPa]	ISO 527 (50 mm/min)	3000
Impact strength (Charpy) [kJ/m ²]	ISO 179/1eU	without breaking
Notched impact strength (Charpy) [kJ/m ²]	ISO 179/1eA	9,0
Tensile strength [MPa]	ISO 527 (50 mm/min)	52
Flexural strength [MPa]	ISO 178 (2 mm/min)	77,8
Shore hardness D	ISO 868	81
Surface resistance ROE [Ω]	DIN IEC 60167	2,00E+14
Volume resistance RD [Ω]	DIN IEC 60093	1,74E+16
Dielectric strength E _d [kV/mm]	DIN IEC 60243	16,8
Dielectric constant ε _r	DIN 53483	3,0–3,6
Coefficient of expansion [mm/mK]	DIN 53752	0,07
Compressive strength [N/mm ²]	DIN 53421	70
Vicat-softening point [°C]	ISO 306 (B50)	72
Heat distortion temperature [°C]	ISO 75-2 (1,8 MPa)	60
Water absorption [%]	ISO 62 (after 216 h)	0,1
Fire rating	DIN EN 13501-1 NFP 92-512	C - s3 d1 M1 (1–2mm)

Thickness (mm)	Dimensions (mm)	Pieces/Pallet
1	2000 × 1000	250
	2100 × 1000	250
	2440 × 1220	200
	3000 × 1500	150
1,5	3050 × 2030	120
	2000 × 1000	200
	2100 × 1000	200
	2440 × 1220	150
2	3000 × 1500	120
	3050 × 2030	100
	2000 × 1000	150
	2100 × 1000	150
2,5	2440 × 1220	100
	3000 × 1500	80
	3050 × 2030	60
	2440 × 1220	80
3	3000 × 1000	100
	2440 × 1220	70
	3000 × 1500	50
	3050 × 2030	40
4	2000 × 1000	80
	3000 × 1000	50
	3000 × 1500	40
	3050 × 2030	30
5	2000 × 1000	70
	3000 × 1500	40
6	2000 × 1000	60
	3000 × 1500	30
8	2000 × 1000	50
	3000 × 1500	20
10	2000 × 1000	40
	3000 × 1500	20