

VEKAPLAN S

The smooth sheet



- stable and impact resistant
- moisture resistant
- swell resistant



Your partner for quality and success

VEKAPLAN S – The smooth sheet

VEKAPLAN S is a foam sheet made of rigid PVC with excellent properties. It is produced by the Celuka process. The uniform inner cell structure as well as the smooth homogeneous surface on both sides is achieved by the help of this process.

Properties

- stable and impact resistant
- non-fading
- weathering resistant
- moisture resistant
- well chemical resistant
- good soundproofing and good thermal insulating
- recyclable

Processing

- sawing, drilling, milling
- screen printing
- screwing
- painting
- adhesive bonding
- welding
- laminating
- thermoforming

Fields of application

- exhibition construction
- shop fittings
- displays
- signs
- balustrades
- balcony facing
- interior facings for high-humidity surroundings and clean-rooms

Packaging units / overview VEKAPLAN S

Structural PVC foam sheets – white –, protection film on both sides, packed on pallets, quality B1 according to DIN 4102 on demand.

Thickness (mm)	Dimensions (mm)	Pieces/Pallet
8	3000 x 1250	60
10	2000 x 1000	40
	2500 x 1000	40
	3000 x 1000	40
	4000 x 1000	30
	2000 x 1250	40
	2500 x 1250	40
	3000 x 1250	40
	4000 x 1250	30
	3000 x 1500	40
	4000 x 1500	30
	3000 x 2000	30
	4000 x 2000	20
13	3000 x 1250	40
	3000 x 2000	30
15	3000 x 1250	30
17	3000 x 1250	30
19	2000 x 800	34
	3000 x 800	34
	3000 x 1250	20
	4000 x 1250	20
24	3000 x 800	26
	3000 x 1250	20
30	3000 x 1250	15

Available in cream white / RAL 9001

Dimensions: 10 x 1000 x 2000/3000/4000 mm

Properties	Standard	Values		
Thickness (mm)		8,10,13,15,17,19,24	30	
Density (g/cm ³)	DIN EN ISO 1183	0,47–0,60	0,47–0,65	0,55–0,70
E-modulus (Mpa)	ISO 527 (50 mm/min)	1050*	1050*	1050*
Impact resistance (Charpy) (kJ/m ²)	ISO 179/1eU	20*		
Tensile strength (Mpa)	ISO 527 (50 mm/min)	11*	11*	11*
Flexural strength (Mpa)≥	ISO 178 (2 mm/min)	21*		
Shore-hardness D	ISO 868	66 – 70		
Surface resistance ROE (Ω)	DIN IEC 60 167	2,00E+14		
Volume resistance RD (Ω)	EIN IEC 60 093	1,86E+14		
Dielectric constant ε _r	DIN 53 483	1,6 – 1,8		
Coefficient of expansion (10 ⁻⁵ /K)	DIN 53 752	6 · 10 ⁻⁵		
Compressive strength (N/mm ²)	DIN 53 421	~ 3,5		
Vicat softening point (°C)	ISO 306 (B 50)	50		
Heat distortion (°C)	ISO 75-2 (1,8 Mpa)	57		
Water absorption (%)	ISO 62 (after 216h)	≤ 4,9*		
Water vapour – diffusion equivalent Sd (m)	DIN 52 615	157 (for 10 mm)		

*following the standard

More detailed information on the processing of our sheets are available on demand.