

Elite CE-Komacel PVC

Hygienic Rigid Foam PVC extruded wall panels

Product

CE-K PVC is a rigid, opaque flat building material comprising a homogenous foam core with an integral skin of rigid polyvinyl chloride.

Purpose

CE-K PVC panels are designed for interior wall finishes where a hygienic, easy to clean surface is required.

Certification and Identification

1. The panel has a Class '1' flame spread (per BS476 Part 7) and Class 'O' Fire Propagation* (per BS476 Part 6).
2. CE-K PVC is certified to pass Food Taint Tests.
3. A clear protective film covers the panel surface.

Design Data

Nominal Thickness	Colour Options	Size	Finish
6.0mm	White	1220mm x 2440mm, 3050mm, 3660mm	Satin
8.0mm		1250mm x 2440mm, 3050mm	
10.0mm		1250mm x 2440mm, 3050mm	

Physical Properties

Property	Typical Value	Test Method
Density	0.6/0.8 g/cm ³	DIN 53479
Tensile Strength	15-20 N/mm ²	DIN 53455
Tensile Modulus	1000-1300 N/mm ²	DIN 53457
Impact Resistance	18-25 KJ/m ²	DIN 53453
Shore Hardness	D65-75	DIN 53505
Vicat Softening Point	72-80°C	DIN 53460
Heat Deflection Temp.	68°C	DIN 53461
Thermal Expansion	0.06-0.07 mm/m°C	DIN 53752
Surface Resistance	>10 ¹⁴ Ohm	DIN 53482
Thermal Conductivity	0.07-0.09 W/mk	DIN 52612
Elongation at Break	13%	DIN 53455
Flexural Strength	25 N/mm ²	DIN 53542
Compressive Strength	6 N/mm ²	DIN 53421

*(Panels will achieve BS476 Part 6 Class 'O' fire rating when attached to a non-combustible substrate)

