

laminate technical data sheet

Product Description:

High pressure decorative laminates intended for connection to a support substrate in order to obtain composite products. They feature an attractive and aesthetic appearance, high resistance to surface abrasion, impact and scratch resistance to moisture, heat, cold and stains, have good dimensional stability, do not corrode.

Available in dimensions:

Thickness: 0.2–2.0 mm

Length: 1850–5500 mm

Width: 1300, 1320, 1400 mm

Application:

Designed for finishing of kitchen and office working surfaces, tables in restaurant and hotel, trim and doors, partitions on public transport, doors and walls coverings in public areas, and interior walls of public transport vehicles.

Storage:

Laminates should be stored in a dry and roofed placing, at temperatures of 15–25°C, relative humidity of 50%, min. 1.5 m distance to source of heat. It is recommended to store in the original Kronospan packaging, on pallets. In the case of foiled laminates, the foil should be removed immediately after assembly. Shelf life 6 months from date of manufacture.

Specifications			
Parameter	Unit	Standard	Requirements
Thickness	mm	438-2.5	$0,5 \leq t \leq 1,0 \pm 0,1$, $1,0 < t < 2,0 \pm 0,15$
Length	mm	438-2.6	+10/-0
Width	mm	438-2.6	+10/-0
Flatness	mm/m	438-2.9	$\leq 3,0$
Straightness of edges	mm/m	438-2.7	$\leq 1,5$
Squareness	mm/m	438-2.8	$\leq 1,5$
Resistance to surface abrasion	IP (rpm)	438-2.10	≥ 150
Resistance to impact with large diameter ball	Drop height - mm	438-2.21	≥ 800
Scratch resistance	Appearance, grade	438-2.25	Smooth finishes ≥ 2 , Textured finishes ≥ 3 , Acrylic Ultramatt finishes ≥ 3
Resistance to dry heat (160°C)	Appearance, grade	438-2.16	SQ finish ≥ 3 , Textured finishes ≥ 4 , Acrylic Ultramatt finishes ≥ 4
Resistance to wet heat (85°C)	Appearance, grade	438-2.18	SQ finish ≥ 3 , Textured finishes ≥ 4 , Acrylic Ultramatt finishes ≥ 4
Resistance to staining	Group 1 i 2, grade	438-2.26	≥ 5
	Group 3, grade		≥ 4
Postformability, Only HGP type	Radius, mm, Transversal direction	438-2.31-32	$\leq 10 \times t$
	Radius, mm, Parallel direction		$\leq 20 \times t$
Density	g/cm ³	EN ISO 1183-1	$\geq 1,35$
Fire class	Classification	EN 13501-1	HGF: B-s1, d0, HGS, HGP: C-s1, d0

t - normal thickness