

## LAMCO HPL PLUS

Material consisting of layers of kraft paper impregnated with thermosetting resins and an innovative surface layer containing decorative paper impregnated with aminoplastic resins and a particular overlay, all bonded together by means of high pressure (7 Mpa) and high temperature (128-140° C). An innovative technology gives to the product a matt and anti-fingerprint surface.

PROPERTY	TEST METHOD (EN 438: 2016)	PROPERTY OR ATTRIBUTE	UNIT	VALUE
Thickness	EN 438-2.5	thickness (t)	mm	$0,5 \leq t \leq 1,0 \pm 0,10$ $1,0 < t < 2,0 \pm 0,15$
Flatness	EN 438-2.9	maximum deviation	mm/m	60
Resistance to surface wear	EN 438-2.10	wear resistance	revs	$IP \geq 150$
Resistance to immersion in boiling water	EN 438-2.12	appearance	rating	$\geq 4$
Resistance to dry heat (160°C)	EN 438-2.16	appearance	rating	$\geq 4$
Resistance to wet heat (100°C)	EN 438-2.18	appearance	rating	$\geq 4$
Dimensional stability at elevated temperature	EN 438-2.17	cumulative dimensional change	% long. % transv.	$\leq 0,55$ $\leq 1,05$
Resistance to impact by small diameter ball	EN 438-2.20	spring force	N	$\geq 20$
Resistance to cracking	EN 438-2.23	appearance	rating	$\geq 4$
Resistance to scratching <sup>(1)</sup>	EN 438-2.25	force	rating	4
Resistance to staining	EN 438-2.26	app. groups 1-2 appear. groups 3	rating	5 $\geq 4$
Lightfastness	EN 438-2.27	contrast	grey scale rating	$\geq 4$
Resistance to water vapour	EN 438-2.14	appearance	rating	$\geq 4$
Formability <sup>(2)</sup>	EN 438-2.32	radius	mm	$\leq t \times 10$ long. $\leq t \times 20$ transv.
Resistance to blistering <sup>(2)</sup>	EN 438-2.34	time	sec.	$t < 0,8$ mm: $\geq 10$ $t \geq 0,8$ mm: $\geq 15$
Microscratch resistance	EN 438-2.30	appearance	rating	4
Electrical resistance	EN 61340-4-1	$R_v$ (23°C /50% RH)	Ohm	$10^9 - 10^{11}$
Density	ISO 1183	density	gr/cm <sup>3</sup>	$\geq 1,35$

(1) Resistance to scratching is depending from colour.

(2) Only Postforming grade.

Note: The colour of individual lots may vary as a result of the technology and type of pigment used. Pay attention to the direction of the texture. Furthermore, the decorative surface of the LAMCO HPL PLUS, could have a slight different tonality from decorative surface with the same colour code number of the other Lamicolor products.

LAMCO HPL PLUS is suggested both for vertical and horizontal uses.