

# CLEAF HPL LAMINATE

HPL laminates are produced in sheets and made of a decorative paper, impregnated with melamine resin. They have plastic properties and it is supported by kraft paper, impregnated with special thermosetting resins. HPL laminates are available in the following types (specifications in accordance with Standard EN 438-1):

- VGS** (Vertical General purpose Standard) recommended for vertical use.
- VGP** (Vertical General purpose Postforming) recommended for vertical use.
- HGS** (Horizontal General purpose Standard) recommended for horizontal use.
- HGP** (Horizontal General purpose Postforming) recommended for horizontal use.



## TECHNICAL CHARACTERISTICS

		VGS	VGP	HGS	HGP
<b>SIZE AND THICKNESS mm</b>		<b>1310x3050x0,8 2040x2760x0,9 (1,5 for Cheope)</b>	<b>1310x3050x0,6</b>	<b>1310x3050x0,8 2040x2760x0,9 (1,5 for Cheope)</b>	<b>1310x3050x0,6</b>
THICKNESS TOLERANCE	EN 438/2-5	+/-0,10mm	+/-0,10mm	+/-0,10mm	+/-0,10mm
RESISTANCE TO ABRASION	EN 438/2-10	≥ Level 2 IP <sub>≥</sub> 50 WP <sub>≥</sub> 150	≥ Level 2 IP <sub>≥</sub> 50 WP <sub>≥</sub> 150	≥ Level 3 IP <sub>≥</sub> 150 WP <sub>≥</sub> 350	≥ Level 3 IP <sub>≥</sub> 150 WP <sub>≥</sub> 350
RESISTANCE TO WATER STEAM *	EN 438/2-14	≥ Level 4	≥ Level 4	≥ Level 4	≥ Level 4
RESISTANCE TO DRY HEAT	EN 438/2-16	≥ Level 4	≥ Level 4	≥ Level 4	≥ Level 4
RESISTANCE TO SCRATCHES	EN 438/2-25	≥ Level 3 ≥ 4N	≥ Level 3 ≥ 4N	≥ Level 3 ≥ 4N	≥ Level 3 ≥ 4N
RESISTANCE TO STAINS	EN 438/2-26	Groups 1,2 =5 Group 3 ≥4	Groups 1,2 =5 Group 3 ≥4	Groups 1,2 =5 Group 3 ≥4	Groups 1,2 =5 Group 3 ≥4
RESISTANCE TO LIGHT	EN 438/2-27	≥ 4 grey scale	≥ 4 grey scale	≥ 4 grey scale	≥ 4 grey scale
FORMABILITY METHOD B	EN 438/2-32	-	R ≥ 10 x nominal thickness	-	R ≥ 10 x nominal thickness
RESISTANCE TO BLISTERING	EN 438/2-34	≥ 15"	≥ 15"	≥ 15"	≥ 15"
FORMALDEHYDE EMISSION	EN 12460-3	≤ 3,5 mg/hm <sup>2</sup>	≤ 3,5 mg/hm <sup>2</sup>	≤ 3,5 mg/hm <sup>2</sup>	≤ 3,5 mg/hm <sup>2</sup>

\* For décors with metallic or pearlescent inks, water steam resistance ≥ Level 3 according to EN438-8

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## ON REQUEST

HPL FSC CERTIFIED  
FSC Mix Credit ICILA-COC-000343

FIRE RESISTANT HPL (2040x2760x0,9)  
B-s1, d0 UNI EN 13501-1: 2009



## STORAGE AND HANDLING

Goods must be stored in a dry and ventilated place (relative air humidity 35%-65%). Do not store with inflammable substances. If exposed to direct sunlight, the laminate may deteriorate. Stacks should be stored correctly, at a manageable height to ensure stability. When handling the laminates, use suction pads or gloves. Machinery and equipment must be fitted with suitable aspiration systems.



## CLEANING & MAINTENANCE

The melamine surfaces are the most resistant among those used in the furniture field. For cleaning, it is preferable to choose a detergent for domestic use. It is recommended that you avoid spraying products directly onto the surface, as this may leave stains and marks; instead, it is preferable to apply the detergent product on a soft damp cloth, clean the surface and then rinse it. Avoid using abrasive products, bleach or highly chlorinated products or acids.