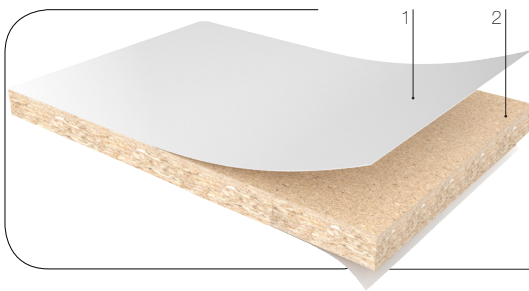


MONOCHROM Through-colour core HPL Bonded Board



- 1/ Through-colour core high pressure laminate, bonded on both sides.
- 2/ Chipboards.



Properties

- Ready-to-use decorative panel for a monobloc effect with no visible join.
- Same surface performance as Polyrey HPL Monochrom.
- Silver ion-treated, antibacterial Sanitized® grade.
- High quality industrial adhesive, resistant to moisture (D3).
- Decorative on both sides.
- Food safe (IANESCO approved).



moisture resistant



impact resistant



abrasion resistant



hygienic surface



colour fastness under artificial light



scratch resistant



heat resistant



ease of maintenance



resistant to cigarette burns



resistant to chemical and household products

Applications

- Suitable for all sectors: restaurant, hotel, service, public area, health, residential...
- Suitable for high-traffic public environments: train stations, airports, schools, hospitals, laboratories, retail stores, etc.
- Suitable both for horizontal applications (worktops) and vertical applications (wall panelling).
- Certificates available upon request.

Product Offer

CORE/SUBSTRATE	Chipboard	
SIZE	307 x 124 cm	
COLOUR CORE	cold core - warm core - extra black	
GRADE	Standard / Fire retardant / Hydrofuge	
THICKNESS	19,8 mm (HPL 0,9 mm)	20.4 mm (HPL 1,2 mm)
FINISHES	FA	FA - BRI ↑ - BRIHG - ROCHE - LEGNO - CUIR ↑ TOUCH - EPIMAT ↑ - FUSION

↑ Finishes BRI, EPIMAT and CUIR vertical use recommended.
* Excluding Touch available in HPL laminate as standard.

MONOCHROM Through-colour core HPL Bonded Board

Conforms ISO 13894-2	CORE/SUBSTRATE		Chipboard		
			Standard	Fire retardant	Moisture resistant
	SUBSTRATE THICKNESS		18 mm		
	SURFACE		Monochrom Through-colour core high pressure laminate		
STANDARD TYPE		EN 312 Type P2	EN 312 Type P2	EN 312 Type P3	
CHARACTERISTICS	STANDARD	UNITS			

Physical and dimensional properties

CHARACTERISTICS	STANDARD	UNITS	EN 312 Type P2	EN 312 Type P2	EN 312 Type P3
Density	EN 323	kg/m ³	650 +/- 10 %	700 +/- 10 %	670 +/- 10 %
Moisture content (ex-factory)	EN 322	%	5 à 13	5 à 13	5 à 13
Thickness tolerance	ISO 13894-1-6.4	mm	+/- 0,5	+/- 0,5	+/- 0,5
Length and width tolerance	ISO 13894-1-6.1	mm	+/- 3	+/- 3	+/- 3
Straightness tolerance	ISO 13894-1-6.2	mm/m	+/- 0,5	+/- 0,5	+/- 0,5
Squareness tolerance	ISO 13894-1-6.3	mm/m	≤ 2	≤ 2	≤ 2
Flatness tolerance (thickness ≥ 16 mm)	ISO 13894-1-6.7	mm/m	≤ 2	≤ 2	≤ 2

Mechanical properties

CHARACTERISTICS	STANDARD	UNITS	EN 312 Type P2	EN 312 Type P2	EN 312 Type P3
Impact resistance (small diameter ball)	EN 438-2-20	N	≥ 15	≥ 15	≥ 15
Impact resistance (large diameter ball) (drop height for ≤ 10mm diameter imprint)	EN 438-2-21	mm	≥ 600	≥ 600	≥ 600
Glue quality	ISO 13894-1-8	Level	5	5	5
Surface cohesion	ISO 13894-1-9	MPa	≥ 1,0	≥ 1,0	≥ 1,0
Screw retention	ISO 13894-1-15	N	1500	1500	1500
- From face		N	500	500	500
Bending strength	ISO 16978	MPa	≥ 35	≥ 35	≥ 35
- Breaking point		≥ 4500	≥ 4500	≥ 4500	
- Modulus of elasticity					
Perpendicular traction	ISO 13894-1-10	MPa	≥ 0,35	≥ 0,35	≥ 0,35
Water resistance - max. edge swelling	ISO 13894-1-19	%	15	15	5
Core steam resistance	ISO 13894-1-14	mm	≤ 0,1	≤ 0,1	≤ 0,1

Surface properties

CHARACTERISTICS	STANDARD	UNITS	EN 312 Type P2	EN 312 Type P2	EN 312 Type P3
Surface defects	EN 438-2-5	mm ² /m ²	≤ 1	≤ 1	≤ 1
- Spots		mm ² /m ²	≤ 10	≤ 10	≤ 10
- Linear					
Abrasion resistance (initial point)	EN 438-2-10	No. of revolutions	EPM : ≥ 100 / Others finishes : ≥ 150 Pearlescent decors and BRI : ≥ 50		
Resistance to steam	EN 438-2-14	Class ^(a)	BRIHG : 3 / Others finishes : 4		
Resistance to humidity	EN 12721	Class ^(a)	BRIHG : 3 / Others finishes : 4		
Dry heat resistance 180 °C	EN 438-2-16	Class ^(a)	BRIHG : 3 / Others finishes : 4		
Scratch resistance	EN 438-2-25	Grade ^(a)	BRIHG : 2 / TCH : 5 / Others finishes : 3		
Stain Resistance	EN 438-2-26	Class ^(a)	5	5	5
- Groups 1 & 2		4	4	4	
- Group 3					
Colour fastness under artificial light (depending on decor)	EN 438-2-27	Grayscale	4 to 5	4 to 5	4 to 5
Resistance to cigarette burns	EN 438-2-30	Class ^(a)	3	3	3

Fire performance

CHARACTERISTICS	STANDARD	UNITS	EN 312 Type P2	EN 312 Type P2	EN 312 Type P3
Fire rating - White Core	EN 13501-1	Euroclasse	D-s1,d0 / TCH : D-s2,d1	C-s2,d0 / TCH : C-s2,d1	D-s2,d0 / TCH : D-s2,d1
	NFP 92-501	Rating M	-	M1	-
Fire rating - Black Core	EN 13501-1	Euroclasse	D-s1,d0 / TCH : D-s2,d1	D-s1,d0 / TCH : D-s2,d1	D-s1,d0 / TCH : D-s2,d1

Health and environmental characteristics

CHARACTERISTICS	STANDARD	UNITS	EN 312 Type P2	EN 312 Type P2	EN 312 Type P3
Food safe	EN 13130-1		Yes	Yes	Yes
Formaldehyde emission	EN 717-2	Class	E1	E1	E1
Volatile organic compounds (VOC) emission	ISO 16000-9	Class	A	A	A
Antibacterial properties	JIS Z 2801:2000	Reduction in %	> 99,9 %	> 99,9 %	> 99,9 %

Type P2 : Panels for dry interior design applications **Type P3** : Panels for wet interior design applications.

^(a) **Class** : 1= Surface damage. 2= Severe appearance alteration. 3= Moderate change. 4= Slight change visible from certain angles. 5= No change.

^(b) **Grade** : 2= Continuous scratches at 2N. 3= Continuous scratches at 4N. 5 = Continuous scratches at 6N.