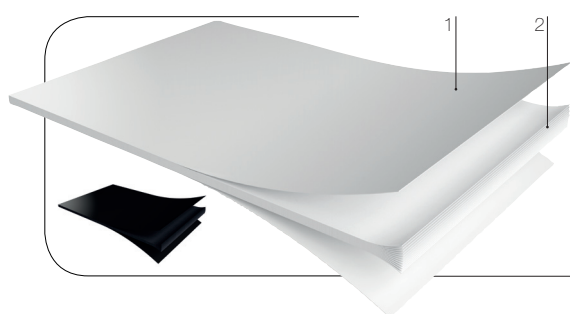


MONOCHROM® Through-colour core Compact



- 1/ Decorative paper on both sides impregnated with melamine resin.
- 2/ Layers of deep dyed kraft paper impregnated with thermosetting resin.



Properties

- Core coordinated with the decorative surface for a more solid effect.
- Self-supporting and machinable throughout its entire thickness.
- Impact, scratch and moisture resistant.
- Silver ion-treated, antibacterial Sanitized® grade.
- Blanc Absolu fire retardant by nature (B-s2,d0).
- 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

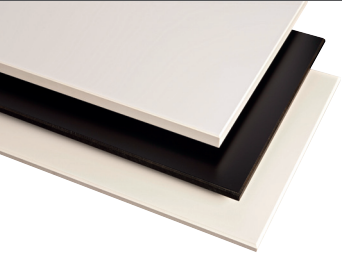
Applications

- Specifically designed for interior design projects and the manufacture of bespoke furniture.
- Suitable for horizontal (work stations, office benches, reception desks, etc) and vertical (wall panelling, front cabinet panels, dividing structures) applications.
- Suitable for high-traffic, humid and sensitive public environment applications.
- Ideal for designing various profiles and thicknesses, its flexibility allows for creative freedom.

Product Offer

CORE	BLANC ABSOLU		NOIR ABSOLU
SIZE	260 × 205 cm	307 × 132 cm	307 × 132 cm
FINISH	FA	FA - BRIHG - ROC	FA - BRIHG - ROC
GRADE	Standard	-	10 - 12.5 mm
	Fire retardant	8 - 10 - 12.5 mm	10 - 12.5 mm

MONOCHROM® Through-colour core Compact



CHARACTERISTICS	CORE		Fire retardant grade (White)	Standard grade (Deep black)
	DECOR / FINISH		FA - BRIHG - ROC	
	THICKNESS		8 - 10 - 12.5 mm	10 - 12.5 mm
	CLASSIFICATION		BCF	CGS
Conforms EN 438-9				
CHARACTERISTICS	STANDARD	UNITS		
Physical and dimensional properties				
Density	EN ISO 1183-1	g/cm ³	≥ 1.40	≥ 1.35
Thickness tolerance	EN 438-2-5	mm	8-10 mm: ± 0.70 / 12.5 mm: ± 0.80	-10 mm: ± 0.50 / 12.5 mm: ± 0.60
Length and width tolerance	EN 438-2-6	mm	- 0 / + 10	- 0 / + 10
Straightness tolerance	EN 438-2-7	mm/m	≤ 1.5	≤ 1.5
Squareness tolerance	EN 438-2-8	mm/m	≤ 1.5	≤ 1.5
Flatness tolerance	EN 438-2-9	mm/m	≤ 5.0	≤ 3.0
Dimensional stability at high temperature - Longitudinal - Transverse	EN 438-2-17	%	≤ 0.50 ≤ 0.80	≤ 0.30 ≤ 0.60
Mechanical properties				
Modulus of elasticity	EN ISO 178	MPa	≥ 9000	≥ 9000
Bending strength	EN ISO 178	MPa	≥ 80	≥ 80
Surface cohesion	EN ISO 527-2	MPa	≥ 60	≥ 60
Resistance to boiling water - Mass increase - Thickness increase - Appearance	EN 438-2-21	% % Class ^(a)	≤ 3 ≤ 4 BRIHG: 3 / Others: 4	≤ 2 ≤ 2 BRIHG: 3 / Others: 4
Impact resistance (large diameter ball) (drop height for ≤ 10mm diameter imprint)	EN 438-2-21	mm	≥ 1800	≥ 1800
Resistance to cracking - SURFACE	EN 438-2-24	Class ^(a)	BRIHG: 3 / Others: 4	BRIHG: 3 / Others: 4
Resistance to cracking - CORE	EN 438-2-24	Class ^(a)	3	3
Surface properties				
Surface defects - Spots - Linear	EN 438-2-4	mm ² /m ² mm/m ²	≤ 1 ≤ 10	≤ 1 ≤ 10
Abrasion resistance (initial point)	EN 438-2-10	No. of revolutions	≥ 150	≥ 150
Resistance to steam	EN 438-2-14	Class ^(a)	BRIHG: 3 / Others: 4	BRIHG: 3 / Others: 4
Dry heat resistance 180 °C	EN 438-2-16	Class ^(a)	BRIHG: 3 / Others: 4	BRIHG: 3 / Others: 4
Scratch resistance	EN 438-2-25	Grade ^(b)	BRIHG: 2 / Others: 3	BRIHG: 2 / Others: 3
Stain Resistance - Groups 1 & 2 - Group 3	EN 438-2-26	Class ^(a)	5 4	5 4
Colour fastness under artificial light	EN 438-2-27	Grayscale	4 to 5	4 to 5
Resistance to cigarette burns	EN 438-2-30	Class ^(a)	3	3
Fire performance				
Fire rating	NFP 92-501	M Classification	M1	-
Fire rating	EN 13501-1	Euroclass	B-s2,d0	C-s1,d0
Health and environmental characteristics				
Food safe	EN 13130-1		Yes	Yes
Formaldehyde emission	EN 717-2	Class	E1	E1
Antibacterial properties	JIS Z 2801	Reduction in %	> 99.9	> 99.9

BCF : Through-colour fire retardant Compact CGS : Standard grade Compact

^(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.