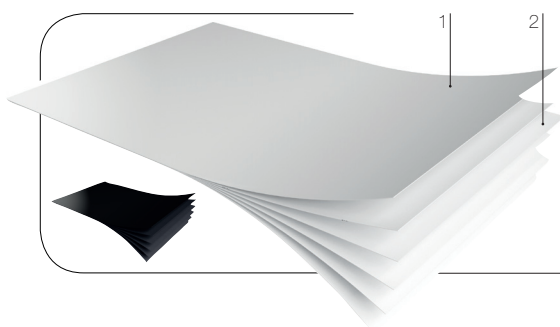


MONOCHROM® Through-colour core HPL



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



Properties

- Core coordinated with the decorative surface for a solid effect.
- High abrasion resistance.
- Excellent resistance to heat and moisture.
- Silver ion-treated, antibacterial Sanitized® grade.
- Food safe (IANESCO approved).



moisture resistant



impact resistant



abrasion resistant



hygienic surface



colour fastness under artificial light



scratch resistance



heat resistance



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 and vertical surfaces in heavy-duty environments.
- Ideal for edging to create a uniform and seamless finish.
- White colour also available in postforming grade for countertops, vanity units and curved furniture.

Product Offer

DECOR	BLANC ABSOLU		NOIR ABSOLU
SIZE	307 × 132 cm	307 × 132 cm	307 × 132 cm
FINISH	FA	BRIHG - ALG - EPM - ROC - LEG	FA - BRIHG - ALG - EPM - ROC - LEG
GRADE	Postforming	0.6 mm	-
	Standard	1.2 mm	1.2 mm

MONOCHROM® Through-colour core HPL



CHARACTERISTICS	CORE		Standard			Postforming
	DECOR / FINISH	THICKNESS	White	Deep black		White
			FA - EPM - ROC - ALG - LEG - BRIHG	FA - ROC - ALG - LEG - BRIHG	EPM	
	CLASSIFICATION	UNITS				
Conforms EN 438-9			1.2 mm	1.2 mm		0.6 mm
			BTS	HGS	VGS	-

Physical and dimensional properties

CHARACTERISTICS	STANDARD	UNITS	White	Deep black	Postforming White
Density	EN ISO 1183-1	g/cm ³	≥ 1.40	≥ 1.35	≥ 1.40
Thickness tolerance	EN 438-2-5	mm	± 0.18	± 0.15	± 0.15
Length and width tolerance	EN 438-2-6	mm	- 0 / + 10	- 0 / + 10	- 0 / + 10
Straightness tolerance	EN 438-2-7	mm/m	≤ 1.5	≤ 1.5	≤ 1.5
Squareness tolerance	EN 438-2-8	mm/m	≤ 1.5	≤ 1.5	≤ 1.5
Flatness tolerance	EN 438-2-9	mm/m	100	60	60
Dimensional stability at high temperature	EN 438-2-17	%	≤ 0.80	≤ 0.55	≤ 0.80
- Longitudinal			≤ 1.40	≤ 1.05	≤ 1.40

Mechanical properties

CHARACTERISTICS	STANDARD	UNITS	White	Deep black	Postforming White
Resistance to boiling water	EN 438-2-12	Class ^(a)	BRIHG: 3 / Others: 4	BRIHG: 3 / Others: 4	4
Impact resistance (small diameter ball)	EN 438-2-20	N	≥ 20	≥ 20	≥ 15
Minimum bending radius (convex and concave)		cm	30	30	20

Surface properties

CHARACTERISTICS	STANDARD	UNITS	White	Deep black	Postforming White
Surface defects	EN 438-2-4	mm ² /m ² mm/m ²	≤ 1	≤ 1	≤ 1
- Spots			≤ 10	≤ 10	≤ 10
Abrasion resistance (initial point)	EN 438-2-10	No. of revolutions	EPM: ≥ 100 / Others: ≥ 150	EPM: ≥ 100 / Others: ≥ 150	≥ 150
Resistance to steam	EN 438-2-14	Class ^(a)	BRIHG: 3 / Others: 4	BRIHG: 3 / Others: 4	4
Resistance to dry heat 180 °C	EN 438-2-16	Class ^(a)	BRIHG: 3 / Others: 4	BRIHG: 3 / Others: 4	4
Scratch resistance	EN 438-2-25	Grade ^(b)	BRIHG: 2 / Others: 3	BRIHG: 2 / Others: 3	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	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

Postforming properties

CHARACTERISTICS	STANDARD	UNITS	White	Deep black	Postforming White
Minimum Postforming radius	EN 438-2-31 or 32	mm	-	-	≥ 8
Blister resistance	EN 438-2-33 or 34	second	-	-	≥ 15

Fire performance

CHARACTERISTICS	STANDARD	M Classification	White	Deep black	Postforming White
Fire rating	NFP 92 501		M3	M3	M3

Health and environmental characteristics

CHARACTERISTICS	STANDARD	UNITS	White	Deep black	Postforming White
Food safe	EN 13130-1		Yes	Yes	Yes
Formaldehyde emission	EN 717-2	Class	E1	E1	E1
Antibacterial properties	JIS Z 2801	Reduction in %	> 99.9	> 99.9	> 99.9

BTS : Through-colour core standard grade HPL HGS : Horizontal Grade Standard VGS : Vertical Grade Standard

^(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.