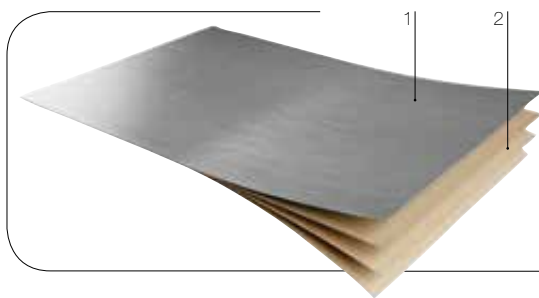


## PUR METAL® Metal Laminate



1/ Sheet of metal.

2/ Layers of kraft paper impregnated with phenolic resin.



### Properties

- Genuine metal: aluminum.
- Anti-oxidation treatment: polyester or epoxy varnish, or anodizing.
- Excellent fire performance.
- Lightweight and easy-to-use.
- Cold bendable possibility but non postformable.



Easy to clean



Suitable for food contact



Fire retardant



Light - easy to install




Crack resistant



Resistant to chemicals products

### Applications

- Ideal for enhancing upscale architectural concepts (retail store signage, hotels, etc.).
- Suitable for both vertical (wall cladding) or light horizontal applications.
- Not recommended for intensive horizontal use, very humid environments or outdoor use.
- Brushed aluminium effect available in 3 m lengths (and ready-to-use panels) to suit all project types (fresco, splashbacks).
-  MED certified for marine applications.

### Product Offer

PRODUCT	PUR METAL	PANOMETAL 
SIZE	305 × 122 cm - 305 × 132 cm	305 × 122 cm
FINISHES	MÉTAL BROSSÉ - MÉTAL BRILLANT - MÉTAL TOILÉ - MÉTAL MAT - MÉTAL TOUCH	MÉTAL BROSSÉ
QUALITY	Fire retardant	Fire retardant / Standard
THICKNESS	0,8 - 0,9 mm	19,6 - 19,8 mm

## PUR METAL® Metal Laminate



### PUR METAL®

CHARACTERISTICS	GRADE		Fire retardant
	DECOR / FINISHES		All
	THICKNESS		0,8 - 0,9 mm
	CLASSIFICATION		MTF

Conforms EN 438-8

CHARACTERISTICS	STANDARD	UNITS	
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#### Physical and dimensional properties

Density	EN ISO 1183-1	g/cm <sup>3</sup>	≤ 1,35
Thickness tolerance	EN 438-2-5	mm	± 0,15
Length and width tolerance	EN 438-2-6	mm	- 0 / +10
Straightness tolerance	EN 438-2-7	mm/m	≤ 1,5
Squareness tolerance	EN 438-2-8	mm/m	≤ 1,5
Flatness tolerance	EN 438-2-9	mm/m	100
Dimensional stability at high temperature	EN 438-2-17	%	≤ 0,75 ≤ 1,25
• Longitudinal			
• Transverse			

#### Mechanical properties

Resistance to boiling water	EN 438-2-12		No delamination of the core
Resistance to cracking	EN 438-2-23	Class <sup>(a)</sup>	4
Minimum bending radius (convex and concave)		cm	15

#### Surface properties

Resistance to steam	EN 438-2-14	Class <sup>(a)</sup>	3
Scratch resistance	EN 438-2-25	Grade <sup>(b)</sup>	1
Stain Resistance	EN 438-2-26	Class <sup>(a)</sup>	4 4 4
• Groups 1 & 2			
• Group 3			
Colour fastness under artificial light	EN 438-2-27	Grayscale	4 to 5

#### Fire performance

Fire rating	NFP 92-501	M Class.	M1
Calorific value	EN ISO 1716	MJ/Kg	18 - 20

#### Health and environmental characteristics

Formaldehyde emission	EN 717-2	Class	E1
Volatile organic compounds (VOC) emission	ISO 16000-9	Class	A

The metal may show a slight natural variation in color or structure as well as produce a rainbow effect on certain styles.

MTF : Fireproof metal surface laminate. / Type P2 : Panels for dry interior design applications.

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

<sup>(b)</sup> Grade: 2 = Continuous scratches at 2N. 3 = Continuous scratches at 4N.

### PANOMETAL®

CHARACTERISTICS	STANDARD	UNITS	Chipboard		
			Standard	Fire retardant	
			CORE		
			THICKNESS	19,6 - 19,8 mm	
COATING	Pur Metal HPL				
CLASSIFICATION	EN 312 Type P2				

#### Physical and dimensional properties

Density	EN 323	kg/m <sup>3</sup>	650 +/- 10 %	700 +/- 10 %
Moisture content (ex-factory)	EN 322	%	5 to 13	5 to 13
Thickness tolerance	ISO 13894-1-6.4	mm	+/- 0,5	+/- 0,5
Length and width tolerance	ISO 13894-1-6.1	mm	+/- 3	+/- 3
Straightness tolerance	ISO 13894-1-6.2	mm/m	+/- 0,5	+/- 0,5
Squareness tolerance	ISO 13894-1-6.3	mm/m	≤ 2	≤ 2
Flatness tolerance	ISO 13894-1-6.7	mm/m	≤ 2	≤ 2

#### Mechanical properties

Impact resistance (small diameter ball)	EN 438-2-20	N	≥ 15	≥ 15
Impact resistance (large diameter ball) (Drop height for a imprint diameter ≤ 10 mm)	EN 438-2-21	mm	≥ 600	≥ 600
Glue quality	ISO 13894-1-8	Level	5	5
Surface cohesion	ISO 13894-1-9	MPa	≥ 1,0	≥ 1,0
Screw retention	ISO 13894-1-15	N	1500 500	1500 500
• From face				
• From edge				
Bending strength	ISO 16978	MPa	≥ 35 ≥ 4500	≥ 35 ≥ 4500
• Breaking point				
• Modulus of elasticity				
Perpendicular traction	ISO 13894-1-10	MPa	≥ 0,35	≥ 0,35

#### Surface properties

Surface defects	EN 438-2-5	mm <sup>2</sup> /m <sup>2</sup> mm/m <sup>2</sup>	≤ 1 ≤ 10	≤ 1 ≤ 10
• Spots • Linear				
Resistance to steam	EN 438-2-14	Class <sup>(a)</sup>	3	3
Scratch resistance	EN 438-2-25	Grade <sup>(b)</sup>	1	1
Stain Resistance	EN 438-2-26	Class <sup>(a)</sup>	4 4 4	4 4 4
• Groups 1 & 2				
• Group 3				

#### Fire performance

Fire rating	EN 13501-1	Euroclass	D-s1,d0	B-s2,d0
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#### Health and environmental characteristics

Formaldehyde emission	EN 717-2	Class	E1	E1
Volatile organic compounds (VOC) emission	ISO 16000-9	Class	A	A