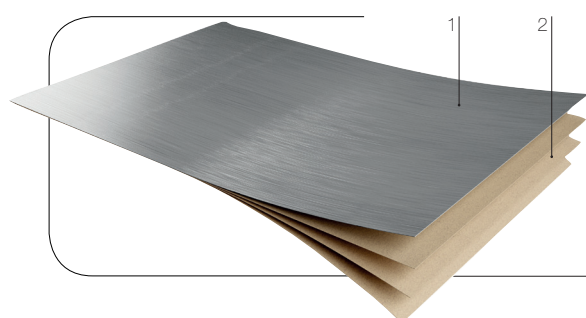


### PUR METAL® Metal Laminate



- 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.



fire retardant grade



lightweight and easy-to-install



ease of maintenance



crack resistant




colour fastness under artificial light




resistance to chemicals and household cleaning products

### Applications

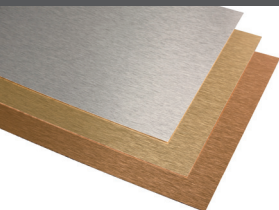
- Ideal for enhancing upscale architectural concepts (retail store signage, hotels, etc.).
- Suitable for both vertical (wall cladding) or light horizontal applications.
- Not recommended for intensive horizontal use, very humid environments or outdoor use.
- Brushed aluminium effect available in 3 m 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	244 × 122 cm	305 × 122 cm	305 × 122 cm
FINISH	BROSSÉ - BRILLANT - MAT	BROSSÉ	BROSSÉ
GRADE	Fire retardant	0.8 / 0.9 mm	0.8 mm

### PUR METAL® Metal Laminate



PUR METAL®	GRADE		Fire retardant grade
	DECOR / FINISH		ALL
	THICKNESS		0.8 - 0.9 mm
	CLASSIFICATION		MTF
Conforms EN 438-8			
CHARACTERISTICS	STANDARD	UNITS	

#### 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
- 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®	CORE	Chipboard	
		Standard grade	Fire retardant grade
	THICKNESS	18 mm	
	COATING	Pur metal HPL	
CLASSIFICATION	EN 312 Type P2		
CHARACTERISTICS	STANDARD	UNITS	

#### 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 Ø ball)	EN 438-2-20	N	≥ 15	≥ 15
Impact resistance (large Ø ball) (Drop height for a imprint Ø ≤ 10mm)	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	Spots Linear	≤ 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	
- 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