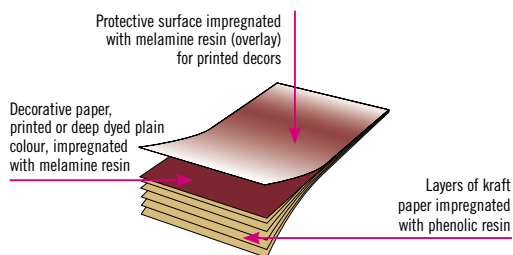


# polyrey HPL, high pressure laminate



## A reliable comprehensive product

- Highly versatile.
- High impact and scratch resistance.
- Retains its appearance even in heavy duty applications.
- **Postforming grade** can achieve all types of edge detail.

## Get more from Polyrey

- Polyrey HPL is available in 250 decors and in 4 new contemporary surface finishes:
  - BRIHG: high gloss lacquered effect, intense and hard-wearing.
  - MAT: non-reflective matt effect. Enhances wood decors and false plain colours.
  - GRAIN: reproduces the natural texture of wood. Enhances woodgrains in particular by giving them a contemporary look.
  - SOFT: soft, silky, luminous effect. Enhances the elegance of stone decors, polished woods and false plain colours.
- Visual effect innovations: Nacre and Strass decors.

## Product offer

Sheet size in cm	215 x 97 (door size)	245 x 124	307 x 124		307 x 132	412 x 151	432 x 166
Finish or structure	FA - SURF	FA	FA BRIHG	BRIHG* - EPI STRIE - BATI	FA - SURF - BRIHG MAT - GRAIN - SOFT	SURF - SOFT	FA BRIHG
Standard grade	■			■			
Postforming grade		■	■		■	■	■
Fire retardant grade	■	■	■	■	■		

\*Strass only

## Product offer on request

Products available on request, subject to minimum order quantity and lead time:

### Subject to order quantity of 12 sheets and multiple:

- Other thicknesses: 1.0mm - 1.2mm - 1.5mm - 2.0mm - 2.5mm - 3.0mm - 4.0mm.
- "Strass" effects (Pluralis) available in all Papago plain colours, subject to technical validation.

### Subject to 100 sheet minimum order quantity:

- Other surface finishes, subject to technical validation.
- Other sheet sizes.

## Focus on... door sheet sizes



Easy to use and maintain, HPL is particularly suitable for doors.

A large selection of decors is offered in sheet sizes adapted for use in particular environments:

- **215 x 97 cm** - traditional doors
- **245 x 124 cm** - larger size doors (hospitals)

## Marine certification



IMO: marine use.  
The whole HPL offer in 0.8mm postforming or fire retardant grade is CE (Bureau Veritas) certified for marine applications.

## Technical characteristics



## polyrey HPL

Characteristics	Grade	Unit of measure	Standard or Fire retardant		Postforming	
			Papago Origine Pluralis*	Pearlescent decors (↑) and Pluralis with structure	Papago Origine Influence Pluralis**	Pearlescent decors (↑)
Decors			0.8	0.8	0.8	0.8
Thickness in mm			HGS or HGF	VGS or VGF	HGP	VGP
Classification			HGS or HGF	VGS or VGF	HGP	VGP
<b>Surface defects</b>	EN 438-2-4					
- Spots		mm <sup>2</sup> /m <sup>2</sup>	≤ 1	≤ 1	≤ 1	≤ 1
- Linear		mm/m <sup>2</sup>	≤ 10	≤ 10	≤ 10	≤ 10
<b>Thickness tolerance</b>	EN 438-2-5	mm	± 0.1	± 0.1	± 0.1	± 0.1
<b>Tolerance on length and width</b>	EN 438-2-6	mm	-0 / +10	-0 / +10	-0 / +10	-0 / +10
<b>Squareness tolerance</b>	EN 438-2-7	mm/m	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
<b>Straightness tolerance</b>	EN 438-2-8	mm/m	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
<b>Flatness tolerance</b>	EN 438-2-9	mm/m	≤ 60	≤ 60	≤ 60	≤ 60
<b>Abrasion resistance</b>	EN 438-2-10	No of revolutions	≥ 350	Structure ≥ 150 Pearlescent ↑ ≥ 50	≥ 350	Pearlescent ↑ ≥ 50
<b>Resistance to boiling water</b>	EN 438-2-12					
- BRIHG		Class	3	3	3	3
- Other surface finishes			4	4	4	4
<b>Resistance to steam</b>	EN 438-2-14					
- BRIHG		Class	3	3	3	3
- Other surface finishes			4	4	4	4
<b>Superficial heat resistance 180 °C</b>	EN 438-2-16					
- BRIHG		Class	3 <sup>(3)</sup>	3 <sup>(3)</sup>	3 <sup>(3)</sup>	3
- Other surface finishes			4 <sup>(2)</sup>	4 <sup>(2)</sup>	4 <sup>(2)</sup>	4
<b>Superficial humidity resistance</b>	EN 12721: 1997					
- BRIHG		Class	3	3	3	3
- Other surface finishes			4	4	4	4
<b>Dimensional stability</b>	EN 438-2-17					
- Longitudinal		%	< 0.55	< 0.75	< 0.55	< 0.75
- Transverse			< 1.05	< 1.25	< 1.05	< 1.25
<b>Impact resistance (small ball)</b>	EN 438-2-20	N	≥ 20	≥ 15	≥ 20	≥ 15
<b>Impact resistance (large ball)</b>	EN 438-2-21					
Height of fall		mm	≥ 800	≥ 600	≥ 800	≥ 600
Diameter of imprint		mm	≤ 10	≤ 10	≤ 10	≤ 10
<b>Resistance to cracking</b>	EN 438-2-23					
		Class	4	4	4	4
<b>Scratch resistance</b>	EN 438-2-25					
- BRIHG		Class	3	2	3	2
- With structure			-	3	-	-
- Other surface finishes			3	2	3	2
<b>Stain resistance</b>	EN 438-2-26					
- Groups 1 and 2		Class	5	5	5	5
- Group 3			4	4	4	4
<b>Colour fastness under artificial light</b>	EN 438-2-27	Grey scale	4 to 5	4 to 5	4 to 5	4 to 5
<b>Resistance to cigarette burns</b>	EN 438-2-30	Class	3	3	3	3
<b>Postforming radius</b>	EN 438-2-31 or 32	Minimum radius in mm			8	8
					10	10
<b>Resistance to blistering</b>	EN 438-2-33 or 34	Seconds			≥ 15	≥ 15
<b>Bending radius (convex or concave)</b>		Minimum radius in cm	HGS: 20 HGF: 30	VGS: 20 VGF: 30	10	10
<b>Fire rating</b>			HGS: M3 HGF: M1 (Class 1)	HGS: M3 HGF: M1 (Class 1)	M3	M3
<b>Density</b>			1.35	1.35	1.35	1.35
<b>Thermal conductivity</b>		Kcal/m.h.°C	0.1 to 0.5	0.1 to 0.5	0.1 to 0.5	0.1 to 0.5
<b>Hygienic surface</b>			Authorised	Authorised	Authorised	Authorised

(1) No visible change (2) Slight change in aspect and/or colour only visible at certain angles (3) Moderate change in aspect and/or colour (4) Moderate change in aspect and/or moderate brown stains (5) Hairline cracks only visible under magnification x5.

\* Pluralis: Strass decors. \*\* Pluralis: Véga, Volans decors.

HGP: Horizontal Grade Postformable - HGS: Horizontal Grade Strandard - HGF: Horizontal Grade Fire retardant. VGS: Compact Grade Standard - VGF: Vertical Grade Fire retardant - VGP: Vertical Grade Postformable.

Please refer to the availability table to check sheet size and surface finish availability in the chosen decor and grade.