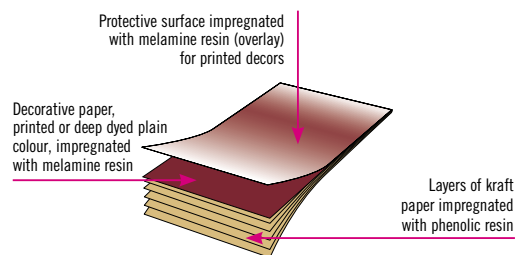


polyrey HPL, high pressure laminate



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

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