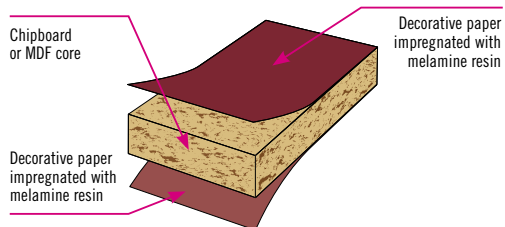


panoprey, melamine faced board



Economical and practical

- The “all-round” basic product.
- Good price/quality ratio for interior fitting and furniture.
- PEFC grade available on request.



Get more from Polyrey

- Available in 120 decors, of which 94 are the most popular today and 26 are future best-sellers.
- 2 new surface finishes:
 - 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.

Product offer

Products available on request subject to short lead time (identical decor on both sides):

Sheet size in cm		280 x 207	
Finish		FA - MAT - GRAIN	
Core		Chipboard	MDF
Thickness in mm	Standard grade	8 - 12 - 16 - 19 - 22 - 25 - 30	8 - 12 - 16 - 19 - 25 - 30
	Moisture resistant grade	12 - 19	
	Fire retardant grade	12 - 16 - 19	19

Product offer on request

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

- HR: “Higher resistance” grade.
- 1 side decor / 1 side white.
- Other sheet sizes or thicknesses.
- Larger sheet size 322 x 207 cm.

Sheet size in cm		322 x 207	
Finish		FA - MAT - GRAIN	
Core		Chipboard	
Thickness in mm	Standard grade	19 - 25 - 28	

Focus on... the exclusive 322 x 207 cm sheet size



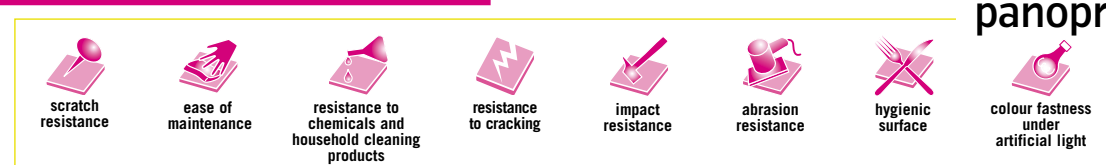
- Polyrey also offers a larger sheet size to optimise cutting and to accommodate interior fitting spaces of greater height.
- Contact us for minimum order quantities.

Fire classification

- Standard grade ≥ 9 mm: **D-s2,d0.**
- Moisture resistant grade ≥ 9 mm: **D-s2,d0.**
- Fire retardant grade **B-s2,d0.**

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

Technical characteristics



panoprey

Characteristics	Standard	Unit of measure	Grade	Standard	Fire retardant	Moisture resistant	Standard	
			Core	Chipboard EN 312 type P2	Chipboard EN 312 type P2	Chipboard EN 312 type P3	MDF EN 622-5	
Density	EN 323	Kg/m ³		650 +/- 10 %	700 +/- 10 %	670 +/- 10 %	760 +/- 10 %	
Thickness tolerance	EN 324-1	mm		nominal thickness ± 0.3	nominal thickness ± 0.3	nominal thickness ± 0.3	nominal thickness ± 0.3	
Length/width tolerance	EN 324-1 & 2	mm		± 5	± 5	± 5	± 5	
On length and width		mm/m		2	2	2	2	
Squareness		mm/m		1.5	1.5	1.5	1.5	
Straightness		mm/m		1.5	1.5	1.5	1.5	
Appearance defects	EN 14323	mm ² /m ²		≤ 2	≤ 2	≤ 2	≤ 2	
Sporadic		mm/m		≤ 20	≤ 20	≤ 20	≤ 20	
Linear		mm/m		≤ 20	≤ 20	≤ 20	≤ 20	
Moisture Content (ex factory)	EN 322	%		5 to 13	5 to 13	5 to 13	4 to 11	
Dry perpendicular traction	EN 319	Mpa						
8mm			≥ 0.40				≥ 0.65	
12mm			≥ 0.40		≥ 0.40	≥ 0.45	≥ 0.60	
16mm			≥ 0.35		≥ 0.40	≥ 0.45	≥ 0.55	
19mm			≥ 0.35		≥ 0.35	≥ 0.45	≥ 0.55	
22mm			≥ 0.30				≥ 0.55	
25mm			≥ 0.30				≥ 0.55	
30mm			≥ 0.25				≥ 0.55	
Bending strength for all directions	EN 310	Mpa						
8mm			≥ 13				≥ 23	
12mm			≥ 13		≥ 13	≥ 15	≥ 22	
16mm			≥ 13		≥ 13		≥ 20	
19mm			≥ 13		≥ 13		≥ 20	
22mm			≥ 11.5				≥ 18	
25mm			≥ 11.5				≥ 18	
30mm			≥ 10				≥ 18	
Elasticity for all directions	EN 310	Mpa						
8mm			≥ 1800				≥ 2700	
12mm			≥ 1800		≥ 1800	≥ 2050	≥ 2500	
16mm			≥ 1600		≥ 1600		≥ 2200	
19mm			≥ 1600		≥ 1600		≥ 2200	
22mm			≥ 1500			≥ 1950	≥ 2100	
25mm			≥ 1500				≥ 2100	
30mm			≥ 1350				≥ 2100	
Surface cohesion	EN 311	Mpa		≥ 1.0	≥ 1.0	≥ 1.0	≥ 1.0	
Flatness (Thickness ≥ 15 mm)	EN 14323	mm/m		≤ 2	≤ 2	≤ 2	≤ 2	
Egding cohesion	EN 14323	mm		≤ 10	≤ 10	≤ 10	≤ 10	
Formaldehyde class	EN 120	Class		E1	E1	E1	E1	
Formaldehyde level	EN 120	mg/100g		≤ 8	≤ 8	≤ 8	≤ 8	
Swelling in thickness after 24hrs	EN 317	%				≤ 14		
12mm - 19mm								
Internal cohesion under cyclic test conditions	EN 321	N/nm ²				≥ 0.15		
12mm							≥ 0.13	
19mm								
Swelling in thickness under cyclic test conditions	EN 321	%				≥ 14		
12mm							≥ 13	
19mm								
Resistance to cracking	EN 14323	Class		3 ⁽¹⁾	3 ⁽¹⁾	3 ⁽¹⁾	3 ⁽¹⁾	
Stain resistance	EN 14323	Class		3 ⁽²⁾	3 ⁽²⁾	3 ⁽²⁾	3 ⁽²⁾	
Abrasion resistance	EN 14323	Class						
Plain colours				3A ⁽³⁾	3A ⁽³⁾	3A ⁽³⁾	3A ⁽³⁾	
Patterns			1 ⁽⁴⁾	1 ⁽⁴⁾	1 ⁽⁴⁾	1 ⁽⁴⁾		
Colour fastness under artificial light	EN 14323	Grey scale		4 to 5	4 to 5	4 to 5	4 to 5	
Impact resistance (324g ball)	EN 14323	cm						
Height of fall			mm		≤ 50	≤ 50	≤ 50	≤ 50
Diameter of imprint			mm		≤ 10	≤ 10	≤ 10	≤ 10
Scratch resistance	EN 14323	N/nm ²		Average 1.5	Average 1.5	Average 1.5	Average 1.5	
Fire rating (Euroclass)								
8mm				No rating				
12 - 16 - 19mm				D-s2,d0	B-s2,d0	D-s2,d0	D-s2,d0	
22 - 25 - 30mm				D-s2,d0		D-s2,d0	D-s2,d0	
Calorific value		kcal/kg		Approx. 4000	Approx. 4000	Approx. 4000	Approx. 4000	

(1) Hairline cracking spread randomly across the surface (2) Moderate change in aspect and/or colour (3) ≥ 350 revolutions (4) < 150 revolutions.