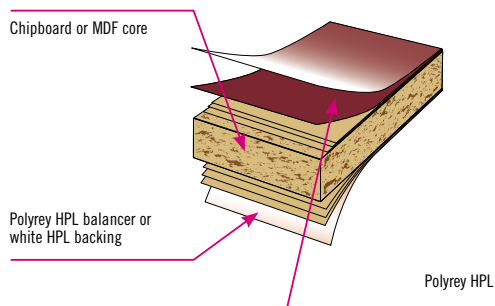


# polyprey, board bonded with HPL



## Hard-wearing and ready to use

- The speedy solution
- Easy to use, Polyrey lightens your planning load allowing you to concentrate on more value-added tasks.
- Surface resistance of HPL ideal for horizontal applications.
- Core in PEFC grade available on request.



## Get more from Polyrey

- 271 decors for all interior fitting projects.
- **Complete complementarity** with HPL decors and surface finishes.

## Product offer

Products available on request subject to short lead time (identical decor on both sides or one side decor with white reverse):

Sheet size in cm	307 x 124	307 x 124	307 x 132
Finish or structure	FA - BRIHG EPI - STRIE - BATI	FA - SURF - SOFT - MAT - GRAIN - BRIHG EPI - STRIE - BATI	FA - SURF - SOFT - MAT GRAIN - BRIHG
Core	Chipboard	MDF	Chipboard
Thickness in mm	Standard grade	20.6 + 0.6 with structure	9.6 - 13.6 - 17.6 - 20.6
	Moisture resistant grade	20.6	20.6
	Fire retardant grade	13.6 - 17.6 - 20.6	13.6 - 17.6 - 20.6

## Product offer on request

- Products available subject to minimum order quantity and lead time:
- Other core boards.
  - Other surface finishes subject to technical validation.
  - Other grades.

## Focus on...MDF core



Polyrey is available on an MDF core board, which is more durable, denser and provides a "squarer" edge when cut.

## Fire classification

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

## Technical characteristics



Characteristics	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
	Surface and balancer		High pressure laminate (HPL)			
	Standard	Unit of measure				
Density	EN 323	Kg/m <sup>3</sup>	650 ± 10%	700 ± 10%	670 ± 10%	760 ± 10%
Moisture Content (ex factory)	EN 322	%	5 to 13	5 to 13	5 to 13	4 to 11
Surface defects	EN 438-2-5					
Spots		mm <sup>2</sup> /m <sup>2</sup>	≤ 1	≤ 1	≤ 1	≤ 1
Linear		mm/m <sup>2</sup>	≤ 10	≤ 10	≤ 10	≤ 10
Tolerance	ISO 13894-1					
On length and width	6.1	mm	± 3.0	± 3.0	± 3.0	± 3.0
Straightness	6.2	mm/m	± 0.5	± 0.5	± 0.5	± 0.5
Squareness	6.3	mm/m	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0
Thickness tolerance	ISO 13894-1-6.4	mm	± 0.5	± 0.5	± 0.5	± 0.5
Flatness tolerance	ISO 13894-1-7	mm/m				
Core thickness < 16mm			No requirement	No requirement	No requirement	No requirement
Core thickness ≥ 16mm			≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0
Glue quality	ISO 13894-1-8	Class	5	5	5	5
Surface cohesion	ISO 13894-1-9	Mpa	≥ 1.0	≥ 1.0	≥ 1.0	≥ 1.0
Perpendicular traction	ISO 13894-1-10	Mpa	≥ 0.35	≥ 0.35	≥ 0.35	≥ 0.35
Bending strength	ISO 16978					
Breaking point for 19 mm core		Mpa	≥ 35	≥ 35	≥ 35	≥ 35
Modulus of elasticity for 19 mm core		Mpa	≥ 4500	≥ 4500	≥ 4500	≥ 4500
Core steam resistance	ISO 13894-1-14	mm				
Maximum swelling in thickness			≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1
Screw retention	ISO 13894-1-15					
On surface						
Core thickness < 16mm		N/mm	100	100	100	100
Core thickness ≥ 16mm		N	1500	1500	1500	1500
On edge						
Core thickness < 16mm		N	Not applicable	Not applicable	Not applicable	Not applicable
Core thickness ≥ 16mm		N	500	500	500	500
Impact resistance (large ball)	EN 438-2-17					
Height of fall		mm	≥ 600	≥ 600	≥ 600	≥ 600
Diameter of imprint		mm	≤ 10	≤ 10	≤ 10	≤ 10
Impact resistance (small ball)	EN 438-2-18	N	≥ 15	≥ 15	≥ 15	≥ 15
Water resistance	ISO 13894-1-19	%				
Maximum swelling of edging on 19mm core			15	15	5	15
Formaldehyde level	EN 120	Class	E1	E1	E1	E1
Fire rating (Euroclass)			D-s1,d0	B-s2,d0	D-s2,d0	D-s1,d0
Hygienic surface			Authorised	Authorised	Authorised	Authorised

Please refer to HPL table page 41 for surface technical characteristics.