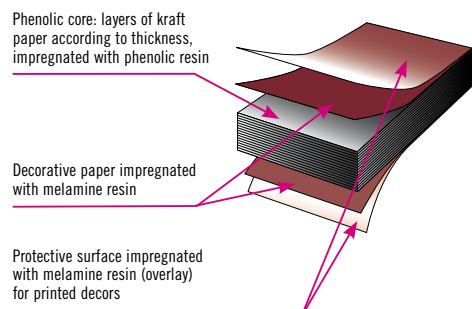


polyrey compact, thick self-supporting laminate



Solid and decorative

- Shock resistant, self-supporting and machinable throughout its thickness.
- The ideal product for demanding environments: high traffic, humid...
- Chemically inert, suitable for contact with foodstuffs.

Get more from Polyrey

- Simplicity of choice: - 250 decors available in HPL.
- FA surface finish suitable for all applications.
- Simplicity of use: thick product, moisture resistant by nature and easy to maintain.

Product offer

Products available on request subject to short lead time:

Sheet size in cm	215 x 97 (door size)	307 x 124
Finish	FA	FA
Thickness in mm	Standard grade	4 - 6 - 8 - 10 - 12.5
	Fire retardant grade	4 - 6 - 8 - 10 - 12.5

Product offer on request

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

In multiples of 6 boards				
	Other thicknesses			Larger sheet size
Sheet size in cm	215 x 97 (door size)	307 x 124	260 x 186	
Finish	FA	FA	FA	
Thickness in mm	Standard grade	2 - 3 - 14 - 16 - 18 - 20	12.5	
	Fire retardant grade	2 - 3 - 14 - 16 - 18 - 20	-	

Focus on... cubicle sheet sizes



Ideal for cubicle partitions.

A selection of decors is available in larger sheet size.

To find out more about the Cubicle & Washroom collection, please request a brochure.

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

Technical characteristics



polyrey compact

Characteristics	Grade		Standard	Fire retardant
	Finish		FA	
	Thickness in mm		4 - 6 - 8 - 10 - 12.5	
	Classification		CGS	CGF
Surface defects	EN 438-2-4	mm ² /m ²		
Spots		mm ² /m ²	≤ 1	≤ 1
Linear		mm/m ²	≤ 10	≤ 10
Thickness tolerance		mm		
4mm		mm	± 0.30	± 0.30
6mm	EN 438-2-5	mm	± 0.40	± 0.40
8 and 10mm		mm	± 0.50	± 0.50
12.5mm		mm	± 0.60	± 0.60
Tolerance on length and width	EN 438-2-6	mm	-0 / +10	-0 / +10
Straightness tolerance	EN 438-2-7	mm/m	≤ 1.5	≤ 1.5
Squareness tolerance	EN 438-2-8	mm/m	≤ 1.5	≤ 1.5
Flatness tolerance		mm/m		
4m thickness		mm/m	≤ 8.0	≤ 8.0
6 and 8 mm thickness	EN 438-2-9	mm/m	≤ 5.0	≤ 5.0
10 and 12.5mm thickness		mm/m	≤ 3.0	≤ 3.0
Abrasion resistance	EN 438-2-10	No of revolutions	≥ 350	≥ 350
			except pearlescent ↑ ≥ 50	except pearlescent ↑ ≥ 50
Resistance to boiling water				
<u>Mass</u>		%		
4mm thickness		%	5	7
> 4mm thickness	EN 438-2-12	%	2	3
<u>Thickness</u>				
4mm thickness		%	6	9
> 4mm thickness		%	2	6
<u>Appearance</u>		Class	4 ⁽²⁾	4 ⁽²⁾
Resistance to steam	EN 438-2-14	Class	4 ⁽²⁾	4 ⁽²⁾
Superficial heat resistance 180 °C	EN 438-2-16	Class	4 ⁽²⁾	4 ⁽²⁾
Superficial humidity resistance	EN 12721	Class	4 ⁽²⁾	4 ⁽²⁾
Dimensional stability at high temperature				
<u>4mm thickness</u>				
Longitudinal		%	≤ 0.40	≤ 0.40
Transverse	EN 438-2-17	%	≤ 0.80	≤ 0.80
<u>> 4mm thickness</u>				
Longitudinal		%	≤ 0.30	≤ 0.30
Transverse		%	≤ 0.60	≤ 0.60
Impact resistance (large ball)				
Diameter of imprint	EN 438-2-21	mm	< 10	< 10
Height of fall		m	4mm: 1.40 6 to 12.5mm: 1.80	4mm: 1.40 6 to 12.5mm: 1.80
Resistance to cracking	EN 438-2-24	Class	4 ⁽⁵⁾	4 ⁽⁵⁾
Scratch resistance	EN 438-2-25	Rating	3 non pearlescent 2 pearlescent ↑	3 non pearlescent 2 pearlescent ↑
Stain resistance				
Groups 1 & 2	EN 438-2-26	Class	5 ⁽¹⁾	5 ⁽¹⁾
Group 3			4 ⁽²⁾	4 ⁽²⁾
Colour fastness under artificial light	EN 438-2-27	Grey scale	≥ 4	≥ 4
Resistance to cigarette burns	EN 438-2-30	Class	3 ⁽⁴⁾	3 ⁽⁴⁾
Fire rating (Euroclass)			6mm: D-s2,d0 8 to 12.5mm: C-s1,d0 Larger size 8 to 12.5mm: C-s2,d0	B-s2,d0
Density	EN ISO 1183-1	g/cm ³	1.35	1.35
Modulus of elasticity	ISO 178: 2003	Mpa	≥ 9,000	≥ 9,000
Bending strength	ISO 178: 2003	Mpa	≥ 80	≥ 80
Tensile strength	ISO R527: 1996	Mpa	≥ 60	≥ 60
Hygienic surface			Authorised	Authorised

(1) Hairline cracking spread randomly across the surface (2) Moderate change in aspect and/or colour (4) Moderate change in aspect and/or moderate brown stains

(5) No change to surface, slight hairline cracks on the edges visible to the naked eye

CGF: Verticale Grade Fire retardant. CGS: Compact Grade Standard.