

Melamine

Technical specifications

Panval melamine surface board are available in the following standard dimensions:

Dimensions			
	Width	Length	Thickness
Sayabec	49 & 61 in (1.24 & 1.55 m)	97 to 145 in (2.46 to 3.69 m)	1/4 to 1 3/4 in (6.00 to 44.45 mm)
Val-d'Or	49 & 61 in (1.24 & 1.55 m)	97 to 121 in (2.46 to 3.07 m)	1/2 to 1 1/8 in (12.70 to 28.68 mm)
NuGreen	49, 49½, 61 in	97, 97½ in	7/16, ½, 9/16, 19/32, 5/8, 11/16, ¾, 1, 1 1/8 in

Panval particleboard panels meet the following flame index:

	Test Method	Class
Raw panels	ASTM-E84	III or C
Laminated (decorative surfaced) panels	ASTM-E84	III or C

Decorative surface characteristics

Properties	Description	Standards	Typical values	NEMA LD 3-2005
			Solid colors / Prints	Grade VGL
Wear Resistance	Measure of the ability of the surface to keep its design or color under abrasive wear	NEMA LD 3-2005	400 cycles 125 cycles	400 cycles
Appearance	Presence of visual defects on decorative surface	NEMA LD 3-2005	No surface defects	No surface defects
Scratch Resistance	Measure of the ability of decorative surface to scratch by diamond tip tool	EN 438 2.14 - 91	3.4 N 2.5 N (Supermat)	n/a
Stain Resistance	Measure of the ability of the decorative surface to resist to stain when exposed to 15 household products	NEMA LD 3-2005	1 to 10 no effect 11 to 15 moderate	1 to 10 no effect 11 to 15 moderate
Cleanability	Measure of the ability of a decorative surface to be cleaned when exposed to 15 soiling agents	NEMA LD 3-2005	Max 20	Max 20
Light Resistance	Measure of the ability of a decorative surface to retain its color when exposed to a light source close to sunlight	NEMA LD 3-2005	Slight	Slight
High Temperature Resistance	Measure of the ability of a decorative surface to maintain its color and aspect when exposed to high temperatures	NEMA LD 3-2005	Slight	Slight
Radiant Heat Resistance	Measure of the ability of a decorative surface to resist any damage when exposed to a radiant heat source	NEMA LD 3-2005	No effect after 60 seconds	No effect after 60 seconds
Boiling Water Resistance	Measure of the ability of a decorative surface to resist any damage when exposed to boiling water for 20 minutes	NEMA LD 3-2005	No effect	No effect
Impact Resistance	Measure of the maximal falling height of a steel ball that does not cause fracture to the decorative surface	NEMA LD 3-2005	381 mm/m 15 in	381 mm/m 15 in
Fire Resistance	Measure of flame spread rating under controlled	ASTM	Class III	n/a

	conditions	E-84		
Warping	Measure of the maximal departure of the surface from flatness	CPA Annexe D	3 mm/m	n/a
Formaldehyde Emission	Emission rate	ANSI A208.1.99	<0.08 ppm	n/a

NEMA : National Electrical Manufacturers Association

ASTM : American Society for Testing and Materials

EN : European Norm

[Click here for more information on Flame Spread and Smoke Developed Performance of Wood Products](#)