

# BRAVO-BIRCH

REVISION 00 MARCH 2023

## DESCRIPTION

The BRAVO range is dedicated to specific uses and the most advanced processing. BRAVO is a range of plywood panels with high quality birch veneers faces. BRAVO-BIRCH is a resistant and versatile product thanks to a constructive combination that alternates poplar, eucalyptus, and birch veneers of European origin. The BRAVO-BIRCH panel is a reinforced panel, made to be particularly durable and stable with a birch surface suitable for use in decorative applications. On demand, BRAVO-BIRCH can be supplied certified according to FSC®. (License code FSC-C019345)

## APPLICATIONS



AUTOMOTIVE

FURNITURE  
AND DESIGNARCHITECTURE  
AND CONSTRUCTION

## CERTIFICATIONS



ON DEMAND

## GLUING



## FORMALDEHYDE RELEASE



ON DEMAND

ON DEMAND

## SIZES

	Standards	Unit	Value				
Standard sizes		mm	2440 x 1220				
Thickness		mm	12	15	18	25	40
Layers		nr.	9	9	11	15	21

## FEATURES

	Standards	Unit	Value				
Voluminal mass	EN 323	Kg/m <sup>3</sup>	550 ± 5%				
Bending strength Long grain/Cross grain	EN 310	N/mm <sup>2</sup>	Longitudinal ≥45 / Transversal ≥30				
Modulus of elasticity	EN 310	N/mm <sup>2</sup>	Longitudinal ≥5500 / Transversal ≥4000				
Thermal conductivity	EN 10456	W/m K	0,14				
Moisture	EN 322	%	8 ÷ 12				
<b>Reaction to fire</b>							
Standard	EN 13986		D-s2,d0 – Dfl-s1 (for thicknesses ≥9 mm and for voluminal mass ≥400 kg/m <sup>3</sup> )				
<b>Dimensional tolerances</b>							
Thickness	EN 315	mm	+ (0,2 + 0,03 t); - (0,4 + 0,03 t)				
Length/Width	EN 315	mm	± 3,5				
Orthogonality	EN 315	mm/m	1				

None of the following tests has been subject to preliminary conditioning. The specific values are average values referred to the normal production. It is responsibility of the customer to determine if Panguaneta's products are suitable for the wished applications and to ensure that places and way of use comply with the supplier's instructions and with the law in force.

