

Technical data sheet

CARPLY®

Description

Plywood panel constructed made of 100% birch for outdoor use, having top and bottom surface resined by phenol film (knurled/smooth) and edges protected by non hygroscopic paint



Performances and applications

CARPLY® panels offers excellent and stable-over-time mechanical characteristics.

The phenol gluing process is suitable for outdoor applications. Surfaces are covered by a dark phenol film of 120 g/m² on each surface (on request 220 g/m²), edges are protected by non hygroscopic paint.

CARPLY® panels are used for Vehicle floors, pedestrian bridges, storage and factory floors, storage shelves, loading platforms, ship decks, pier surfaces. In general, for applications where high wear resistance and/or good anti-slip properties are required.

Characteristics	Norm	Unit	Value								
Panel Thickness	EN315	mm	9	12	15	18	21	24	27	30	35
Gluing	EN 314	Class	Class 3								
Wood species			100% Birch rotary cut								
Surface weight	EN 323	kg/m ²	6,3	8,4	10,5	12,6	14,7	16,8	18,9	21,0	25,0
Standard sizes	EN 315	mm	1250 x 2150 - 1250 x 2500 - 1525 x 2500								
Bending strenght											
Long grain	EN 789	MPa	52,1	49	47,2	45,9	45,1	44,4	43,9	43,5	42,9
Cross grain			36,7	38	38,6	38,9	39,2	39,3	39,4	39,5	39,8
E-modulus											
Long grain	EN 789	MPa	11720	11026	10611	10335	10140	9994	9881	9791	9657
Cross grain			6280	6974	7389	7665	7860	8006	8119	8209	8343
Airborne Sound isolation	EN 13986	dB	24,4	26	27,3	28,3	29,2	30,6	30,6	31,2	31,2
Thermal conductivity	EN 13986	W/(m·K)	0,17								
Fire Classification	EN 13501-1	Class	Installation: Floor Covering laid over substrates classified A2fl or A1fl Installation: Floor Covering laid over perimetral metallic profiles				Class Cfl-s1_Thickness Range 9÷35 Class Bfl-s1_Thickness Range 15÷35				
Emissione formaldeide	EN 13986	Class	E1								
Taber abrasion	EN 438-1	RA	350 with film of 120 g/m ² ; 600 with film of 220 g/m ²								
Biological Durability	EN 335-3	Class	Use Class 3								
Size tolerance											
Thickness	EN 315	mm	+0,2+0,03s ; - (0,4+0,03s) (s=thickness panel)								
Lenght / Width	EN 315	mm	< 1000=±1 ; 1000÷2000=±2 ; >2000=±3								
Edges orthogonality	EN 315	%	± 0,1								

Note :

ATTENTION: in case of cuts and millings, to keep the waterproof characteristics on sides panel unchanged, the worked sides should be protected by appropriate paint.

The information contained in this technical data sheet is given as a pure indication and can be modified without prior notice. The purchases is responsible for verifying the product's adequacy to the end uses and for making sure that the use's place and criteria comply with the Manufacturer's prescriptions and with the laws in force.