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Member of CISQ Federation RINA ISO 9001:2000 Certified Quality System

BELLOTTI
L'EVOLUZIONE DEL LEGNO

Technical data sheet

Mahogany marine plywood®

Description

Plywood panel, RINA approved (RINA certified n° DIP084605MI/02), phenol or melamine gluing, constructed exclusively with Mahogany wood.

Performances and applications

The rotaty cut Mahogany marine plywood® is characterized by an excellent durability and a high mechanical resistance.
This product is specific for boatbuilding, considering also the extreme conditions of its applications (excellent durability in environments with a high level of humidity, also saline).
The phenol or melamine gluing is suitable for exterior applications (EN 314 Class 3 - UNI 6478/69 Type M 100).
In boatbuilding the Mahogany plywood is used for both structural applications and fittings. It can be realised also with a thin ply or extremely thin ply construction to be used where high mechanical performances are required.

Characteristic	Norm	Unit of measure	Value Rotary cut			Value Thin ply			Value extremely thin ply		
Panel thickness	EN315	mm	**4**	**15**	**25**	**6**	**15**	**21**	**5**	**11**	**17**
Layers		n°	3	7	11	5	11	15	5	11	17
Gluing	EN 314.2		Class 3								
Wood species			100 % rotary cut Mahogany veneer (Sapelli; Khaya; Sipo)								
Surface weight	EN 324.1	kg/m²	2,4	9,0	15,0	3,8	9,6	13,4	3,4	7,5	11,6
Standard sizes	EN 315	cm	250 x 160 ; 310 x 160								
Bending resistance											
Long grain	EN 310	MPa	72	49	44	59	48	49	59	48	48
Cross grain			31	34	36	26	33	32	26	33	32
E-modulus											
Long grain	EN 310	MPa	10500	7200	6500	8700	7000	7100	8700	7000	7000
Cross grain			2500	3800	4400	2200	4000	3800	2200	4000	4000
Thermal conductivity	UNI 7745	W/m K	0,14								
Size tolerance											
Thickness	EN 315	mm	+0,2+0,03s ; - 0,4+0,03s (s=panel thickness)								
Length / Width	EN 315	mm	< 1000=±1 ; 1000÷2000=±2 ; >2000=±3								
Edges orthogonality	EN 315	%	± 0,1								

Notes :

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.

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