




PRODUCT TECHNICAL FILE

Product	
	18 mm Pine Plywood

Use	Plywood for internal and external use.
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Veners Composition	7 plies Face grade: C+ repaired with putty and touch sanded. Back grade: C not sanded and repaired
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Bond quality	Phenolic glue. Minimum 80% fibers
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Panel Dimension (mm)	Length	Width	Thickness
	2440mm	1220mm	18mm

Product feature 18 mm*	Static bending tests – parallel direction			
		Density (Kg/m ³)	Tension (N/mm ²)	Em(N/mm ²)
	Average	565,91	42,34	5.149,95
	Maximum	609,27	59,89	6.958,52
	Minimum	498,79	28,55	2.400,48
	Standard deviation	35,04	10,09	1.390,48

Product feature 18 mm*	Static bending tests – perpendicular direction			
		Density (Kg/m ³)	Tension (N/mm ²)	Em(N/mm ²)
	Average	562,23	36,74	3.953,03
	Maximum	608,94	52,92	5.684,27
	Minimum	522,08	27,82	2.891,63
	Standard deviation	31,44	7,88	803,12

*Tested by FUNDAÇÃO HUGO SIMAS – Linked to the Federal University of Paraná

Reaction to fire	EN product grade reference	Minimum density (Kgm ³)	Minimum thickness (mm)	Class ^b Excluding floorings	Class ^c Floorings
	EN 636	400	9	D-s2, d0	D _{FL} -s1
^b Classes as provided for in Commission Decision 2000/147/EC					
^c Classes as provided for in Commission Decision 2000/147/EC					

Pentachlorophenol	≤ 5 ppm
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Biological durability	Not aplicable
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