

Declaration of Performance
No. MR,02/PP/23/CE2+


Product identification	PINE PLYWOOD EN 636-2 S							
Product types	12 mm	15 mm	18 mm	20 mm	21 mm	24 mm	27 mm	30 mm
Intended uses	Internal use as structural components in humid conditions							

Mill identification	
Harmonized standard	EN 13986:2004+A1:2015
AVCP system	2+
Notified body	1034 / HFB Engineering GmbH, Leipzig, Germany
Certificate	1034 - CPR - 2172 / 1 / 2018

Essential characteristics	Declared performance	Technical specification
Release of formaldehyde	E1 (phenolic resin bonded)	EN 13986 Annex B Note 2
Bond quality	Class 3	EN 314-1/2 Type testing
Density	510 Kg/m ³ E (D-s2, d0)	EN 323 Type testing
Reaction to fire	E (D-s2, d0)	EN 13986 Table 8
Water vapour permeability	Wet - 70 µ / Dry - 200 µ	EN 13986 Table 9
Airborne sound insulation	R = 13 x lg (m!) + 14	EN 13986 part 5.10
Sound absorption coefficient	0,10 / 0,30	EN 13986 Table 10
Thermal conductivity	0,13 W/(m.K)	EN 13986 Table 11
Content of pentachlorophenol	< 5 ppm	EN 13986 part 5.18
Biological durability	Class 2	EN 335 / EN 1099

Dimensional tolerances	Declared performance	Technical specification
Length and width	plus 0 / -3.0mm	EN 324-2
Squareness	plus /- 1.0 mm/m	
Straightness	plus / - 1.0 mm/m	
Thickness	Product type	EN 323 - Type testing
	Maximum (mm)	12 mm 15 mm 18 mm 20 mm 21 mm 24 mm 27 mm 30 mm
	Minimum (mm)	12,56 15,65 18,74 20,80 21,83 24,92 28,35 31,50
Density	See below per type	
	Product type	12 mm 15 mm 18 mm 20 mm 21 mm 24 mm 27 mm 30 mm
	Kg / m ³	523 490 526 515 512 482 526 533

Essential characteristics	Declared performance	Technical specification
Bending properties	See below per type	EN 310 type testing
	Type	12 mm 15 mm 18 mm 20 mm 21 mm 24 mm 27 mm 30 mm
Bending properties (N/mm ²) (MOR)	Fk, 0	37,85 30,24 33,46 30,27 26,61 25,67 22,03 19,19
	Fk, 90	18,17 13,31 16,55 15,13 15,06 15,69 21,54 16,64
Bending stiffness (N/mm ²) (MOE)	Fk, 0	4138,01 2834,75 4545,8 5096,1 4136,88 3814,21 4080,18 3361,7
	Fk, 90	1174,06 1121,21 1890,96 1593,78 1827,94 1592,56 2339,85 1926,35
F/E Class	F 20 / 10	F 20 / 5 F 20 / 10 F 20 / 10 F 15 / 10 F 10 / 10 F 10 / 10 F 10 / 10
	E 40 / 10	E 30 / 10 E 50 / 20 E 50 / 15 E 40 / 20 E 40 / 10 E 40 / 25 E 35 / 20

Essential characteristics		Declared performance				Technical specification			
Bending properties		See below per type				EN 12369-2			
	Type	12 mm	15 mm	18 mm	20 mm	21 mm	24 mm	27 mm	30 mm
Bending strength (N/mm2) (MOR)	Fk, 0	20,00	20,00	20,00	20,00	15,00	15,00	10,00	10,00
	Fk, 90	10,00	5,00	10,00	10,00	10,,00	10,00	10,00	10,00
Bending stiffness (N/mm2) (MOE)	Fk, 0	4000,00	3000,00	5000,00	5000,00	4000,00	4000,00	4000,00	3000,00
	Fk, 90	1000,00	1000,00	2000,00	1500,00	2000,00	1000,00	2500,00	2000,00