



## Declaration of Performance No. Rep/PP/17/CE2+



1. **Unique identification code of the product-type:**  
PINE PLYWOOD EN 636-2 S  
Thicknesses 12mm thru 30mm  
Grades B/C BFU, CPC BFU, C+/C BFU, B/C CE2+, CPC CE2+, C+/C CE2+ and C/C CE2+
2. **Intended uses:**  
Structural components in dry and humid conditions
3. **Manufacturer:**  
Repinho Reflorestadora Madeiras e Compensados Ltda  
Av. Vereador Sebastião de Camargo Ribas 950, Dist. Ind. Guaratú  
GUARAPUAVA, PR 85045-796 BRAZIL
4. **Not Applicable**
5. **System of assessment and verification of constancy of performance (AVCP):**  
System 2+
6. **Harmonised standard:**  
EN 13986:2004+A1:2015

**Notified Body:**  
1034 - HFB Engineering GMBH of Leipzig, Germany

**Certificates:**  
CE2+: 1034 - CPR - 2109/1/2017 dated March 2nd, 2017 for the Guarapuava mill.

**7. Declared performance:**

**a. General**

Essential characteristics	Declared performance	Technical Specification
Bond quality	Class 3 (phenolic)	EN 314-1/2
Release of formaldehyde	E1	EN 13986 Annex B Note 2
Biological durability	Class 2	EN 335 / EN 1099
Mean density $\rho$	550 kg/m <sup>3</sup>	EN 323
Reaction to fire	D-s2, d0	EN 13986 Table 8

**b. For use as STRUCTURAL COMPONENTS in dry and humid conditions**

Essential characteristics		Declared performance					Technical Specification				
Characteristic values (L5%)		See below per Type					EN 310 / EN 326-1				
Product types			12mm	15mm	18mm	20mm	21mm	22mm	24mm	27mm	30mm
			5 ply	5 ply	7 ply	7 ply	7 ply	9 ply	9 ply	9 ply	11 ply
<b>Bending strength and stiffness classes according to EN 636</b>		<b>F 30/10</b>	<b>F 30/10</b>	<b>F 30/15</b>	<b>F 30/10</b>	<b>F 25/10</b>	<b>F 15/15</b>	<b>F 20/10</b>	<b>F 25/10</b>	<b>F 20/15</b>	
		<b>E 60/15</b>	<b>E 60/10</b>	<b>E 60/25</b>	<b>E 50/20</b>	<b>E 50/25</b>	<b>E 50/25</b>	<b>E 50/20</b>	<b>E 60/25</b>	<b>E 40/25</b>	
Strength (N/mm <sup>2</sup> )	Parallel	45	45	45	45	38	23	30	38	30	
	Perpen.	15	15	23	15	15	23	15	15	15	
Stiffness (N/mm <sup>2</sup> )	Parallel	6.000	6.000	6.000	5.000	5.000	5.000	5.000	6.000	4.000	
	Perpen.	1.500	1.000	2.500	2.000	2.500	2.500	2.000	2.500	2.500	

The performance of the product identified above is in conformity with the set of declared performance's  
This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Marcelo Antonelli Guaragni, Mill Director  
In Guarapuava, PR on October 30th of 2017.