



# HFB ENGINEERING GMBH

TEST AND CERTIFICATION INSTITUTE FOR CONSTRUCTION PRODUCTS



NB 1034



SAC 05

## CERTIFICATE of conformity of Factory Production Control

**No. 1034 – CPR – 12981/1/2020**

In compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of March 9<sup>th</sup>, 2011 (Construction Products Regulation – CPR), this certificate applies to the construction product

**“GUARAPLY” Pine Plywood**

**according to the performance characteristics for wood-based panels for use in construction, as presented on page 2 and 3 of this certificate**

placed on the market and produced in the manufacturing plant by

**Industria de Compensados Guararapes Ltda.  
Rua Alcina Santos Araujo, 411  
85555-000 Palmas, PR  
Brazil**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

**EN 13986:2004+A1:2015**

under system 2+ are applied and that

**the factory production control is assessed to be in conformity with the applicable requirements.**

The present certificate will be valid as long the test methods defined by the harmonised standard and/or the factory production control requirements defined by the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

The validity of the certificate will be confirmed by the certification report issued every six months by the certification laboratory.

Leipzig, July 6<sup>th</sup>, 2020



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Dipl.- Ing. L. Roewer  
Head of Certification Laboratory

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### Plywood Products:

Panel type/ Plant designation				EN 13986; Performance characteristics required for wood-based panels for use in construction					
"GUARAPLY" Pine Plywood				Wood-based panels for internal use as structural components in		Wood-based panels for internal use as structural floor and roof decking on joists and as structural wall sheathing on studs			
				No.	Thickness	Type	Plies	dry condition	humid condition
					section 4.1	section 4.2	section 4.7		
1	9.0 mm - s.e./ T&G	GRP/PP+/E1/BBA	3ply	✓	✓	-	-	-	
2	12.0 mm - s.e./ T&G		4ply	✓	✓	-	-	-	
3	12.0 mm - s.e./ T&G		5ply	✓	✓	✓	✓	✓	
4	12.5 mm - s.e.		5ply	✓	✓	✓	✓	✓	
	12.5 mm - T&G		5ply	✓	✓	✓	✓	-	
5	15.0 mm - s.e.		5ply	✓	✓	✓	✓	-	
	15.0 mm - T&G		5ply	✓	✓	✓	✓	-	
6	18.0 mm - s.e.		7ply	✓	✓	✓	✓	-	
	18.0 mm - T&G		7ply	✓	✓	✓	✓	-	
7	21.0 mm - s.e.		7ply	✓	✓	-	-	-	
	21.0 mm - T&G		7ply	✓	✓	-	✓	-	
8	24.0 mm - s.e./ T&G		9ply	✓	✓	-	-	-	
9	27.0 mm - s.e./ T&G		9ply	✓	✓	-	-	-	
10	30.0 mm - s.e./ T&G		11ply	✓	✓	-	-	-	
11	9.0 mm - s.e./ T&G		GRP/PP/E1/BBA	3ply	✓	✓	-	-	-
12	12.5 mm - s.e./ T&G	5ply		✓	✓	-	-	-	
13	15.0 mm - s.e./ T&G	5ply		✓	✓	-	-	-	
14	18.0 mm - s.e./ T&G	7ply		✓	✓	-	-	-	
15	21.0 mm - s.e./ T&G	7ply		✓	✓	-	-	-	



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Panel types			Wood species		Veneer thickness	
No.	Thickness	Ply	Outer layers	Inner plies	Face, Back	Crossbands
1	9.0 mm	3ply	Pinus elliottii	Pinus elliottii, Pinus taeda	2.7 mm	3.7 mm
2	12.0 mm	4ply				3.7 mm
3	12.0 mm	5ply				2.3 mm
4	12.5 mm	5ply				2.7 mm
5	15.0 mm	5ply				3.7 mm
6	18.0 mm	7ply				2.7 mm
7	21.0 mm	7ply				3.7 mm
8	24.0 mm	9ply				3.1 mm
9	27.0 mm	9ply				3.7 mm
10	30.0 mm	11ply				3.1 mm
11	9.0 mm	3ply	Pinus elliottii	Pinus elliottii, Pinus taeda	2.7 mm	3.7 mm
12	12.5 mm	5ply				2.7 mm
13	15.0 mm	5ply				3.7 mm
14	18.0 mm	7ply				2.7 mm
15	21.0 mm	7ply				3.7 mm

