

## CERTIFICATION REPORT

Original Issuance

**No.: CR 311002295/1/2024**

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<b>Production site:</b>	<b>Miraluz Industria e Comercio de Madeiras Ltda. Rua Prefeito Dr Domingos Cunha, 701 Senges – PR Cep: 84220000 Brazil</b>
<b>Content of order:</b>	<b>Certification of the Factory and Factory Production Control (FPC)</b>
<b>AVCP system:</b>	<b>2+</b>
<b>Construction product:</b>	<b>Wood-based panels for use in construction – Characteristics, evaluation of conformity and marking EN 13986:2004+A1:2015</b>
<b>Group of construction products:</b>	<b>Plywood</b>

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This report consists of **3** pages of text and  
- appendices with a total of - pages

Leipzig, July 26<sup>th</sup>, 2024



**Dipl.- Ing. L. Roewer**  
Responsible person for the decision  
concerning certification



Any publication of this Certification Report – even in extracts – requires the advance approval of HFB Engineering GmbH.

**1. Fundamentals of this Certification Report**

This Certification Report is based on the statements found in Inspection Report No. IR 311002295/1/2024 issued by HFB Engineering GmbH Leipzig on July 25<sup>th</sup>, 2024.

**2. Assessment of the Results of Third-party Monitoring**

The following assessments are based on Inspection Report No. IR 311002295/1/2024 of July 25<sup>th</sup>, 2024 (regular inspection of the factory and the factory production control):

- The production site Miraluz Industria e Comercio de Madeiras Ltda., Rua Prefeito Dr Domingos Cunha, 701, Senges - PR Cep: 84220000, Brazil, sufficiently fulfills the technical and personnel preconditions necessary to produce, in accordance with the requirements, wood-based panels, especially plywood, as according to EN 13986:2004+A1:2015.
- The plywood panels produced at the production site Miraluz Industria e Comercio de Madeiras Ltda. and of the following panel types

Panel Types		Nominal Thickness (mm)	Number of Plies	Wood Species		Intended use as pursuant to EN 13986, section 4.1 to 4.7
No.	Product Name			Outer Layers	Inner Plies	
1	"DURAPLY/ MIRALUZ"	Pine Plywood	12	5	Pinus elliottii / Pinus taeda	4.1/4.2
2		Pine Plywood	18	9		4.1/4.2
3		Pine Plywood	18	7		4.1/4.2
4		COMBI Plywood	12	5	Pinus elliottii / Pinus taeda	4.1/4.2
5		COMBI Plywood	18	7		Eucalyptus grandis / Pinus elliottii, - taeda
6		TWIN Plywood	18	7	Eucalyptus grandis	4.1/4.2
7		Eucalyptus Plywood	18	11	Eucalyptus spp	

Panel Types			Resin Type	Veneer Thickness
No.	Nominal Thickness (mm)	Number of Plies		
1	12	5	Phenolic	2.6 – 2.6 – 1.8 – 2.6 – 2.6
2	18	9		2.2 – 2.2 – 2.2 – 2.2 – 2.2 – 2.2 – 2.2 – 2.2
3	18	7		2.7 – 2.7 – 2.7 – 2.7 – 2.7 – 2.7 – 2.7
4	12	5		2.6 – 2.6 – 1.8 – 2.6 – 2.6
5	18	7		2.7 – 2.7 – 2.7 – 2.7 – 2.7 – 2.7 – 2.7
6	18	7		2.7 – 2.7 – 2.7 – 2.7 – 2.7 – 2.7 – 2.7
7	18	11		1.8 – 1.8 – 1.8 – 1.8 – 1.8 – 1.8 – 1.8 – 1.8 – 1.8 – 1.8 – 1.8

are subject to a factory production control (FPC), that is in accordance with the standards of EN 13986:2004+A1:2015.

- The performance characteristics required for internal use as structural components in dry or humid conditions were demonstrated by the results of Type Testing (TT).

- The notices found in Inspection Report No. IR 311002295/1/2024 of July 25<sup>th</sup>, 2024, must be complied with.

### **3. Statements Concerning the Certificate of Factory Production Control**

Based on the results of the inspection 1/2024 of the factory and the factory production control, carried out by the notified certification body, the

Certificate of Conformity of Factory Production Control  
No. 1034 - CPR - 2295/1/2023  
dated August 11<sup>th</sup>, 2023

retains its validity.

The Certificate of Conformity of Factory Production Control shall retain its validity only under the pre-condition, that the manufacturer will comply with the notices contained in the Inspection Report No. IR 311002295/1/2024.