

## SUPPLIER'S DECLARATION OF CONFORMITY

Product identification: **BRP 5.5**

**The declaration was issued by** EB Hungary Invest Kft.

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**Place of production:** South America

**Production year:** 2024

**Product name:** eucalyptus plywood



*face*



*back*

There are no significant defects allowed on the faces of the panels. Minor defects are skilfully repaired with colour matched acrylic filler. Minor core voids and end splits are allowed and skilfully repaired

|                   |                                                                                                                                  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>face</b>       | 180-grit sanded with minimal synthetic repairs and up to 6 repaired minor splits* per edge not more than 4mm width by 400mm long |
| <b>back</b>       | 180-grit sanded with minimal synthetic repairs and up to 6 repaired minor splits per edge not more than 4mm width by 600mm long  |
| <b>species</b>    | 100% Eucalyptus Grandis                                                                                                          |
| <b>dimensions</b> | 1.22m x 2.44m                                                                                                                    |

*\*Splits are characteristics that occur at the end of panels, running parallel to the grain and varying in acceptable width and length based on grade.*

### **Product destination (intended use):**

It can be widely used in interior design, construction and furniture industry, vehicle body manufacturing and areas where high strength, light weight and good resistance are required.

**Harmonised standards:** EN 13986:2004+A1:2015, EN 636:2012+A1:2015

**Period of validity of the declaration:** This declaration is valid until withdrawn.

Present user information has been compiled by EB Hungary Invest Kft. on the basis of the information provided by the manufacturer.

Budapest, 24.10.2023

## DECLARATION OF PERFORMANCE

Declared Performance

Harmonised technical specification: EN 13986:2004+A1:2015

| Essential Characteristics                           |               |                      | Performance for indicated Panel Thickness (mm) |  |  |     |         |
|-----------------------------------------------------|---------------|----------------------|------------------------------------------------|--|--|-----|---------|
|                                                     |               |                      | 5.5                                            |  |  |     | 21      |
| <b>Panel Layup</b> <sup>1)</sup>                    |               |                      | EEE                                            |  |  |     | EEEEEE  |
| <b>Characteristic Strength</b> <sup>2) 3)</sup>     |               |                      |                                                |  |  |     |         |
| Bending – parallel                                  | $f_{m,0,k}$   | (N/mm <sup>2</sup> ) |                                                |  |  | NPD |         |
| Bending – perpendicular                             | $f_{m,90,k}$  | (N/mm <sup>2</sup> ) |                                                |  |  | NPD |         |
| <b>Mean Stiffness (MOE)</b> <sup>4)</sup>           |               |                      |                                                |  |  |     |         |
| Bending – parallel                                  | $E_{m,0}$     | (N/mm <sup>2</sup> ) |                                                |  |  | NPD |         |
| Bending – perpendicular                             | $E_{m,90}$    | (N/mm <sup>2</sup> ) |                                                |  |  | NPD |         |
| <b>Density</b>                                      |               |                      |                                                |  |  |     |         |
| Characteristic Density <sup>2)</sup>                | $\rho_k$      | (kg/m <sup>3</sup> ) | 430                                            |  |  |     | 430     |
| Mean Density <sup>5)</sup>                          | $\rho_{mean}$ | (kg/m <sup>3</sup> ) | 520                                            |  |  |     | 480     |
| <b>Bonding quality / durability</b>                 |               |                      | Bonding Class 3                                |  |  |     |         |
| <b>Biological Durability</b>                        |               |                      | Hazard Class 2                                 |  |  |     |         |
| <b>Reaction to fire class [CWFT]</b> <sup>6)</sup>  |               |                      | D-s2, d0 <sup>6)</sup>                         |  |  |     |         |
| <b>Release of formaldehyde class</b>                |               |                      | E1                                             |  |  |     |         |
| <b>Water vapour permeability</b> $\mu$              |               |                      |                                                |  |  |     |         |
| Wet cup                                             |               |                      | 70                                             |  |  |     | 70      |
| Dry cup                                             |               |                      | 200                                            |  |  |     | 200     |
| <b>Airborne sound insulation</b> $R$                |               |                      | 22.20                                          |  |  |     | 27.00   |
| <b>Sound absorption</b> $\alpha$                    |               |                      |                                                |  |  |     |         |
| Frequency range 250Hz to 500 Hz                     |               |                      | 0.10                                           |  |  |     | 0.10    |
| Frequency range 1000Hz to 2000 Hz                   |               |                      | 0.30                                           |  |  |     | 0.30    |
| <b>Thermal Conductivity</b> $\lambda$ (W/m.K)       |               |                      | 0.13                                           |  |  |     | 0.13    |
| <b>Release (Content) of Pentachlorophenol (PCP)</b> |               |                      | < 5 ppm                                        |  |  |     | < 5 ppm |

1) P = Pine ; E = Eucalyptus

2) "Characteristic" = lower 5<sup>th</sup> percentile calculated as defined in EN 636:2012+A1:2015

3) The characteristic values are informative, prior to panel profiling, and as specified in EN 12369-2:2004 and shall be modified for the given Service Class as described in EN 1995-1-1 using the relevant  $k_{mod}$  and  $k_{def}$  modification factors. As product is for Non Structural use, they should not be used for design

4) The characteristic value for Stiffness should be taken as 0.8 times the mean value

5) The mean density for design should be taken as 1.1 times the characteristic value

6) CWFT : classified without further testing (EN 13986:2004+A1:2015, Table