

SUPPLIER'S DECLARATION OF CONFORMITY

Product identification: **BRP 9/12/15/18**

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

face	180-grit sanded with minimal synthetic repairs and up to 6 repaired minor splits* per edge not more than 4mm width by 400mm long
back	180-grit sanded with minimal synthetic repairs and up to 6 repaired minor splits per edge not more than 4mm width by 600mm long
species	100% Eucalyptus Grandis
dimensions	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Period of validity of the declaration: This declaration is valid until withdrawn.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

Product Identification

Product Type	Technical Class	Intended Use	AVCP (*)
Pine and/or Eucalyptus Plywood for Structural Use in Exterior (***) Conditions (EN 636 – 3 S)	EN 636 – 3 – S (***) (structural)	Load-bearing structural panels in dry covered service conditions (****) (EN 1995-1-1 - Service Class 1 or 2) for FLOORING or ROOFING.	2+

(*) Assessment and Verification of Constancy of Performance system according to Annex V of regulation (EU) No 305/2011

(**) Batch identification: 7-digit number on bundle

(***) Glue bond satisfies to the EN 636-3 class. However, the exterior conditions may correspond to the biological Hazard Class 3 to EN 335, for which this product cannot be used without further treatment or coating.

Notified Body Reference

Notified Body	Tasks performed for AVCP
Element Materials Technology Rotterdam B.V. Zekeringstraat 33 - 1014 BV Amsterdam - Netherlands	Initial inspection of factory Continuous Surveillance Certification of Factory Production Control

Declared Performance

The declared properties of the product are given in the table overleaf, based on the following Harmonised Technical Specifications:

EN 13986:2004+A1:2015 – Wood-based panels for use in construction – Characteristics, evaluation of conformity and marking

EN 636:2012+A1:2015 – Plywood - Specifications

The performance of the product identified is in conformity with the declared performance.

This declaration of performance is issued under the sole responsibility of the manufacturer.

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

Thin peel 5.5 mm panels are not yet available as CE2+ Structural application panels.

Essential Characteristics			Performance for indicated Panel Thickness (mm)				
				9	12	15	18
Panel Layup ¹⁾				EEEE	EEEE	EEEE	EEEEEE
Characteristic Strength ^{2) 3)}							
Bending – parallel	$f_{m,0,k}$	(N/mm ²)		30.0	30.0	30.0	20.0
Bending – perpendicular	$f_{m,90,k}$	(N/mm ²)		15.0	15.0	15.0	15.0
Compression	$f_{c,0,k}$	(N/mm ²)		NPD	NPD	NPD	NPD
Tension	$f_{t,0,k}$	(N/mm ²)		NPD	NPD	NPD	NPD
Panel Shear	$f_{v,k}$	(N/mm ²)		3.0	3.0	3.0	3.0
Planar Shear	$f_{r,k}$	(N/mm ²)		0.5	0.5	0.5	0.5
Mean Stiffness (MOE) ⁴⁾							
Bending – parallel	$E_{m,0}$	(N/mm ²)		6 000	6 000	6 000	6 000
Bending – perpendicular	$E_{m,90}$	(N/mm ²)		2 000	2 000	2 000	2 000
Compression	$E_{c,0}$	(N/mm ²)		NPD	NPD	NPD	NPD
Tension	$E_{t,0}$	(N/mm ²)		NPD	NPD	NPD	NPD
Panel Shear	G_v	(N/mm ²)		300	300	300	300
Planar Shear	G_r	(N/mm ²)		20	20	20	20
Density							
Characteristic Density ²⁾	ρ_k	(kg/m ³)		430	430	430	430
Mean Density ⁵⁾	ρ_{mean}	(kg/m ³)		520	520	520	520
Bonding quality / durability			Bonding Class 3				
Biological Durability			Hazard Class 2				
Reaction to fire class			D-s2, d0				
Release of formaldehyde class			E1				
Water vapour permeability μ							
Wet cup				70	70	70	70
Dry cup				200	200	200	200
Airborne sound insulation R				22.20	23.80	25.10	26.10
Sound absorption α							
Frequency range 250Hz to 500 Hz				0.10	0.10	0.10	0.10
Frequency range 1000Hz to 2000 Hz				0.30	0.30	0.30	0.30
Thermal Conductivity λ		(W/m.K)		0.13	0.13	0.13	0.13
Release (Content) of Pentachlorophenol (PCP)				< 5 ppm	< 5 ppm	< 5 ppm	< 5 ppm

1) P = Pine; E = Eucalyptus

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

3) The characteristic values are 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.

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.

Performance for use in FLOORING or ROOFING

Thin peel 5.5 mm panels are not yet available as CE2+ Structural application panels.

Essential Characteristics			Performance for indicated Panel Thickness (mm)			
			9	12	15	18
Panel Layout ¹⁾			EEEEEE	EEEEEE	EEEEEE	EEEEEEEE
Reaction to fire class for Flooring			NPD	D _{FL} -s1	D _{FL} -s1	D _{FL} -s1
Roofing – Cat. of Use H – spacing:	610	mm				
Characteristic Point Load	$F_{max,k}$	(kN)	NPD	2.50	2.50	4.04
Mean Stiffness	R_{mean}	(kN)	NPD	165	165	322
Serviceability Point Load	$F_{ser,k}$	(kN)	NPD	3.57	3.57	5.78
Soft Body Impact Resistance Class			NPD	I	I	I
Roofing – Cat. of Use H – spacing:	1220	mm				
Characteristic Point Load	$F_{max,k}$	(kN)	NPD	NPD	NPD	4.04
Mean Stiffness	R_{mean}	(kN)	NPD	NPD	NPD	99
Serviceability Point Load	$F_{ser,k}$	(kN)	NPD	NPD	NPD	5.78
Soft Body Impact Resistance Class			NPD	NPD	NPD	II
Flooring – Cat. of Use A – spacing:	500	mm				
Characteristic Point Load	$F_{max,k}$	(kN)	NPD	NPD	NPD	4.04
Mean Stiffness	R_{mean}	(kN)	NPD	NPD	NPD	496
Serviceability Point Load	$F_{ser,k}$	(kN)	NPD	NPD	NPD	5.78
Soft Body Impact Resistance Class			NPD	NPD	NPD	I
Flooring – Cat. of Use A – spacing:	610	mm				
Characteristic Point Load	$F_{max,k}$	(kN)	NPD	NPD	NPD	NPD
Mean Stiffness	R_{mean}	(kN)	NPD	NPD	NPD	NPD
Serviceability Point Load	$F_{ser,k}$	(kN)	NPD	NPD	NPD	NPD
Soft Body Impact Resistance Class			NPD	NPD	NPD	NPD
Racking Resistance for Walls			NPD	NPD	NPD	NPD
Soft Body Impact Resistance Class for Walls			NPD	NPD	NPD	NPD

1) P = Pine; E = Eucalyptus

NOTE: Panels used for Flooring or Roofing application shall have their short edge supported by the joists and their long edge either tongued & grooved or entirely supported by and fixed to a nogging or batten.