

Declaration of Performance (DoP) Indo Meranti WBP

Reference number DoP: VSB 043 Indo Meranti Film

Unique identification code of the product

Plywood EN636-3S.

Indonesian Hardwood Plywood, external gluing quality (Phenol Formaldehyde Adhesive)

Applications

External conditions as structural components.

Certification

System of assessment and verification of the constancy of performance

System 2+

Harmonised norm

EN 13986 – 2004 + A1: 2015

Identification number of the notified body

1224-CPR-0060

Declared performances

Essential Characterisitcs	Performances							Harmonised Technical Standard
	Thickness (mm)							
	4.0	6.0	8.0	9.0	12.0	15.0	18.0	
Density (kg/m ³)	606	619	674	685	686	691	696	EN 323 testing
Bond quality	Class 3	Class 3	Class 3	Class 3	Class 3	Class 3	Class 3	EN 314-1/2 type testing
Reaction to fire	NPD	NPD	NPD	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	EN 13986 table 8
Release of Formaldehyde	E1	E1	E1	E1	E1	E1	E1	EN 13986 Annex B note 2
Class	EN 636-3 S							
Content of pentachlorophenol	PCP < 5 ppm							EN 13986 part 5.18
Thermal conductivity (W/m.K)	0.13	0.13	0.13	0.13	0.13	0.13	0.13	EN 13986 table 11
Biological durability– class	NPD	NPD	NPD	NPD	NPD	NPD	NPD	EN 335 / EN 1099
Water vapour permeability								
Wet Cup (µ)	70	70	70	70	70	70	70	EN 13986 TABLE 9
Dry Cup (µ)	200	200	200	200	200	200	200	
Sound absorption								
250-500HZ	0.10	0.10	0.10	0.10	0.10	0.10	0.10	EN 13986 TABLE 10
1000-2000Hz	0.30	0.30	0.30	0.30	0.30	0.30	0.30	

Durability								
- Internal bond	NPD	NPD	NPD	NPD	NPD	NPD	NPD	
- Swelling in thickness	NPD	NPD	NPD	NPD	NPD	NPD	NPD	
- Moistureresistance	NPD	NPD	NPD	NPD	NPD	NPD	NPD	
Internal bond after boil test	NPD	NPD	NPD	NPD	NPD	NPD	NPD	
- Mechanical (duration of load and creep)	NPD	NPD	NPD	NPD	NPD	NPD	NPD	

DOP NR.03/KB/2017 (EXT) FFP

Resistance (N/mm ²)								
- Tension	52/23	52/23	38/30	38/30	38/30	45/38	45/38	EN 13986 EN 310
- Compression	NPD	NPD	NPD	NPD	NPD	NPD	NPD	
- Bending	F 35/15	F 35/15	F 25/20	F 25/20	F 25/20	F 30/25	F 30/25	
- Planar Shear	NPD	NPD	NPD	NPD	NPD	NPD	NPD	
- Panel Shear	NPD	NPD	NPD	NPD	NPD	NPD	NPD	

Modulus of elasticity (N/mm ²)								
- Tension	8100/1350	8100/1350	4500/4500	4500/4500	4500/4500	5400/4500	5400/4500	EN 13986 EN 310
- Compression	NPD	NPD	NPD	NPD	NPD	NPD	NPD	
- Bending	E 90/15	E 90/15	E 50/50	E 50/50	E 50/50	E 60/50	E 60/50	
- Planar Shear	NPD	NPD	NPD	NPD	NPD	NPD	NPD	
- Panel Shear	NPD	NPD	NPD	NPD	NPD	NPD	NPD	

8. Declared performances : Harmonised technical specification EN 13986 - 2004 (2)

Essential Characterisitcs	Performances							Harmonised Technical Standard
	Thickness (mm)							
	21.0	24.0	27.0	30.0				
Density (kg/m3)	722	726	740	741				EN 323 testing
Bond quality	Class 3	Class 3	Class 3	Class 3				EN 314-1/2 type testing
Reaction to fire	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0				EN 13986 table 8
Release of Formaldehyde	E1	E1	E1	E1				EN 13986 Annex B note 2
Class	EN 636-3 S							
Content of pentachlorophenol	PCP < 5 ppm							EN 13986 part 5.18
Thermal conductivity (W/m.K)	0.17	0.17	0.17	0.17				EN 13986 table 11
Biological durability-- class	NPD	NPD	NPD	NPD				EN 335 / EN 1099
Water vapour permeability								EN 13986 TABLE 9
Wet Cup (μ)	90	90	90	90				
Dry Cup (μ)	220	220	220	220				
Sound absorption								EN 13986 TABLE 10
250-500HZ	0.10	0.10	0.10	0.10				
1000-2000Hz	0.30	0.30	0.30	0.30				
Durability								
- Internal bond	NPD	NPD	NPD	NPD				
- Swelling in thickness	NPD	NPD	NPD	NPD				
- Moistureresistance	NPD	NPD	NPD	NPD				
Internal bond after boil test	NPD	NPD	NPD	NPD				
- Mechanical (duration of load and creep)	NPD	NPD	NPD	NPD				
Resistance (N/mm ²)								
- Tension	30/38	30/30	30/45	30/45				EN 13986 EN 310
- Compression	NPD	NPD	NPD	NPD				
- Bending	F 20/25	F 20/20	F 20/30	F 20/30				
- Planar Shear	NPD	NPD	NPD	NPD				
- Panel Shear	NPD	NPD	NPD	NPD				
Modulus of elasticity (N/mm ²)								
- Tension	3600/8100	3600/8100	4500/8100	4500/8100				EN 13986 EN 310
- Compression	NPD	NPD	NPD	NPD				
- Bending	E 40/90	E 40/90	E 50/90	E 50/90				
- Planar Shear	NPD	NPD	NPD	NPD				
- Panel Shear	NPD	NPD	NPD	NPD				

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

The Declaration of Performance is issued in conformity with Legislation (EU) n° 305/2011 under the sole responsibility of the manufacturer identified here below.

Manufacturer

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Signed by the manufacturer:



Zottegem, November 2022

NOVERPO Comm. V
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