



PT.SLJ Global Tbk.

NATURAL FOREST MANAGEMENT, PLYMILL, MDF MILL, ENERGY PLANT

DECLARATION OF PERFORMANCE FOR SUMOMARINE INDONESIAN MARINE PLYWOOD

PRODUCED TO BS1088-2018 -STANDARD MARINE PLYWOOD

No. : 001/SLJ-MRN/1/2019

- 1 Unique identification code of the product : BS1088-2018-Marine Plywood (SUMOMARINE)
- 2 Type and batch number : Standard Marine Indonesian Hardwood Plywood
Exterior Gluing Quality EN314-CLASS 3 (Phenol Formaldehyde Adhesive)
BONDED IN ACCORDANCE TO BS1088-2018
- 3 Intended Use : External Condition as structural and general construction components
Phenol Formaldehyde, emission class E1
- 4 Manufacturer Name : PT.SLJ Global Tbk (certificate no: 1224-CPR-0653)
- Address : Jl. Dr. Cipto Mangunkusumo Sengkotek- Loa Janan
Samarinda - East Kalimantan - Republic of Indonesia
- 5 Assessment and verification of constancy of Performance (AVCP) system : System 2+
- 6 Name and Identification number of the CE notified body. : BM TRADA- 1224-Certificate No:1224-CPR-0653
- 7 3rd Party Verification body and certificate number : TFT Woodexperts Diamond Mark Certification Scheme
Certificate number : P52006
- 8 Species : As under BS1088-2018-Standard Marine Plywood
Keruing-Dipterocarpus Spp
Meranti-Shorea Spp
Rimba campuran-Dendrologi
- 9 Density : 500kg/m3 and above as prescribed in BS1088-2018

10 SUMOMARINE BS1088-2018-PLYWOOD - Veneer composition

Thickness	Plies	Veneer construction
6.00	5	1.2+1.5+1.2+1.5+1.2
9.00	5	1.4+2.8+1.4+2.8+1.4
12.00	7	1.4+2.4+1.4+2.4+1.4+2.4+1.4
15.00	9	1.5+2.1+1.5+2.1+1.5+2.1+1.5+2.1+1.5
18.00	11	1.4+2.1+1.4+2.1+1.4+2.1+1.4+2.1+1.4+2.1+1.4
25.00	13	1.4+2.8+1.4+2.8+1.4+2.8+1.4+2.8+1.4+2.8+1.4+2.8+1.4

11 Declared Performance

Essential characteristics	Performance						Harmonised Technical Specification
	Thickness (mm)						
	6.0	9.0	12.0	15.0	18.0	25.0	
Mean of Bending Strength							
0° (N/mm²)	F 30	F 30	F 35	F 35	F 15	F 15	EN 310 : 1993
90° (N/mm²)	F 30	F 30	F 35	F 35	F 25	F 25	
Mean of Modulus Elasticity							
0° (N/mm²)	E 70	E 70	E 70	E 70	E 40	E 40	EN 310 : 1993
90° (N/mm²)	E 40	E 40	E 40	E 40	E 60	E 60	
Mean Bonding Quality (N/mm²)							
Pre Treatment 5.1.1 (N/mm²) / (WF = %)	1.3	1.4	1.8	1.8	1.5	1.6	EN 314-1 : 2004
Pre Treatment 5.1.4 (N/mm²) / (WF = %)	1.1	1.2	1.7	1.6	1.3	1.2	
Mean of Moisture Content (%)	8.4	8.6	8.3	8.3	8.1	7.8	EN 322 : 1993
Mean of Density (kg/m³)	680	689	704	711	709	723	EN : 323 : 1993
Durability (moisture resistance)	NPD	NPD	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	-
Release formaldehyde	E 1	E 1	E 1	E 1	E 1	E 1	EN 13986 : 2004 + A1 : 2015 Annex B
Reaction to fire	NPD	NPD	NPD	NPD	NPD	NPD	EN 13986 : 2004 +A1 : 2015 Table 8
Water Vapour Permeability							
Wet Cup (μ)	70	70	90	90	90	90	EN 13986 : 2004 + A1 : 2015 Table 9
Dry Cup (μ)	200	200	220	220	220	220	
Sound Absortion							
250 - 500 Hz	0,10	0,10	0,10	0,10	0,10	0,10	EN 13986 : 2004 + A1 : 2015 Table 10
1000 - 2000 Hz	0,3	0,3	0,3	0,3	0,3	0,3	
Thermal Conductivity (W / (w.k))	0,13	0,13	0,17	0,17	0,17	0,17	
Strength & Stiffness for structural use	NPD	NPD	NPD	NPD	NPD	NPD	
Mechanical durability	NPD	NPD	NPD	NPD	NPD	NPD	EN 13986 : 2004 + A1 : 2015 Table 11
Biological durability	NPD	NPD	NPD	NPD	NPD	NPD	
Content of Pentachlorophenol	NPD	NPD	NPD	NPD	NPD	NPD	
Preservative Treatment (PT)	Not Applicable						

- 12 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8
This Declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4

Signed for and behalf of the manufacturer PT SLJ Global TBK :
Samarinda, Januari 29th 2019

Eko Wiliario
QC Manager

PT.SLJ GLOBAL Tbk
SAMARINDA
Eko Arief Suratmono
General Manager