

DECLARATION OF PERFORMANCE (DOP)
NO : 03/KB/IX/2014 (PF)

1. Unique identification code of the product : Structural plywood
2. Type and batch number : Indonesian Hardwood Plywood, External gluing quality (Phenol Formaldehyde Adhesive)
3. Intended Use : External conditions as structural components, Emission class E1
4. Manufacturer : PT.Balikipapan Forest Industries, Penajam Paser Utara Kalimantan.Timur, Indonesia
5. System or system of assessment and verification of constancy of performance:2+
6. Name and identification number of the notified body :
BM TRADA Certification Ltd. (Identification no:1224)
Stocking Lane, hughenden Valley,
High wycombe, Bucks, HP14 4ND, UK

Notified Factory Production Control Body 1224, performed initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control under system 2+ and issued the certificate of the conformity of the factory production control : 1224-CPR-0027

7. Declared performance (1)

Essential Characteristics	performance						Harmonised Technical Specification
	Thickness (mm)						
	4.0	6.0	8.0	9.0	12.0	18.0	
Mean of bending strength							EN 310 : 1993
0°(N/mm ²)	F80	F50	F40	F30	F40	F30	
90°(N/mm ²)	F20	F30	F50	F40	F50	F40	
Mean of modulus of elasticity							EN 310 : 1993
0°(N/mm ²)	E140	E100	E80	E60	E70	E70	
90°(N/mm ²)	E20	E30	E70	E60	E100	E70	
Mean of bonding quality(N/mm ²)	1.64	1.65	1.62	1.60	1.63	1.61	EN 314-1:2004
Mean of moisture content(%)	9.5	9.4	9.8	10.3	9.6	9.5	EN 322 : 1993
Mean of density(Kg/m ³)	609	619	674	685	686	696	EN 323 : 1993
Durability (moisture resistance)	NPD	NPD	NPD	NPD	NPD	NPD	-
Release of formaldehyde	E1	E1	E1	E1	E1	E1	EN 717-2:1994
Reaction of fire	NPD	NPD	NPD	D-s2,d0	D-s2,d0	D-s2,d0	EN 13986:2004 Tabel 8
water vapour permeability							EN 13986:2004 Tabel 9
Wet cup (μ)	50	50	50	50	70	70	
Dry cup (μ)	150	150	150	150	200	200	
Sound absorption							EN 13986:2004 Tabel 10
250-500Hz	0.10	0.10	0.10	0.10	0.10	0.10	
1000-2000Hz	0.30	0.30	0.30	0.30	0.30	0.30	
Thermal conductivity(W/(m.k))	0.09	0.09	0.09	0.09	0.13	0.13	EN 13986:2004 Tabel 11
Strength and stiffness for structural use	NPD	NPD	NPD	NPD	NPD	NPD	-
Mechanical durability	NPD	NPD	NPD	NPD	NPD	NPD	-
Biological durability	NPD	NPD	NPD	NPD	NPD	NPD	-
content of pentachlorophenol	NPD	NPD	NPD	NPD	NPD	NPD	-

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Contract No: GC-3081.3082.3083.3084.3085

Acknowledged by



Oh Sang Eob
Management Representative

Jenebora, September 26, 2014

Prepared by



Lee Byeong Ryong
QC Manager